Historic, archived document

Do not assume content reflects current
scientific knowledge, policies, or practices.

Ag 84M
Cat/Ind

United States
Department of
Agriculture

Agricultural
Research
Service

Miscellaneous
Publication
Number 1469

Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1978-79

930598

ABSTRACT

Thurman, Jane L., and Ralph T. Roberts. 1989. Hydrologic data for experimental agricultural watersheds in the United States, 1978-79. U.S. Department of Agriculture Miscellaneous Publication No. 1469, 613 pp.

Hydrologic data from 72 agricultural watersheds for calendar years 1978 and 1979 are summarized in this publication. Daily and monthly total precipitation and runoff together with annual maximum peak discharge and maximum runoff for selected time intervals are included. Watershed descriptive information is presented. Maximum and minimum daily temperatures are given for many of the watersheds. This is the 22nd publication in this series.

KEYWORDS: Air temperature, hydrology data, hydrology research, precipitation, rainfall, runoff, streamflow, water data, watersheds

U.S. DEPARTMENT OF AGRICULTURE

Agricultural Research Service

In Cooperation With

State Agricultural Experiment Stations

Copies of this publication may be purchased from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

ARS has no additional copies for free distribution.

United States Department of Agriculture

Agricultural Research Service

Miscellaneous Publication Number 1469

Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1978-79

Compiled by

JANE L. THURMAN
and
RALPH T. ROBERTS

Hydrology Laboratory
Beltsville Agricultural Research Center
Beltsville, Maryland 20705

PREFACE

This publication presents basic data on monthly precipitation and runoff; annual maximum discharge and maximum volumes of runoff; daily precipitation and mean daily discharge, with daily air temperature for some areas; and selected runoff events, with associated data on rainfall, land use, and antecedent conditions for agricultural watersheds where research was in progress during 1978-79. It is one of a series of publications on work to process and release hydrologic data of general interest collected cooperatively with other agencies.

The State agricultural experiment stations collaborated in selecting, planning, and conducting these watershed studies. In several studies the U.S. Geological Survey and State and local agencies, such as State water boards and highway departments of local drainage and conservation districts, assisted in the work. The classification and correlation of soils and the evaluation of other watershed characteristics in the descriptions are based mostly on field surveys by the U.S. Department of Agriculture's Soil Conservation Service.

These data were originally collected for specific research objectives, which are still in progress or have been attained. In addition, the data can serve many other purposes. This publication provides information for other Government agencies, university staff members, graduate students, private engineers, and those who need detailed facts concerning agricultural watersheds. High-quality hydrologic data such as these have historic value in addition to providing a basis for research and design and evaluation of projects and programs for conservation and development of the Nation's water resources.

Although the data on which this publication is based were collected in 1978-79 or earlier, the findings are still valid and are used for further research on agricultural watersheds.

CONTENTS

	Page
Publications of earlier data	1
Form of data presentation	1
Continuing watersheds	1
New watersheds	12
Watershed descriptions	12
Standard symbols for tabular data	14
Personnel responsible for data preparation	14
Additional publications	14
United States index map and related data	19
Location of experimental agricultural watersheds of the Agricultural Research Service by land resource regions and major land resource areas of the United States	20
Legend for land resource regions and major land resource areas	21
Watershed data by location number and decimal paging (8.002-1 to 74.009-6, a total of 590 data sheets)	24
Table 1.--Description of references 4-22 of "Hydrologic Data for Experimental Agricultural Watersheds in the United States"	2
Table 2.--Index to information on experimental agricultural watersheds included in references 1-22	3
Table 3.--Experimental agricultural watersheds, listed by State, locality, and location number, under study during 1978-79 and included in this publication	22
Table 4.--Watersheds, listed by State and locality, for which data were previously included but are not in this publication	22

The decimal system of paging is used to index the watershed data. Pages are numbered at the bottom (center) according to location and watershed number, and the data for each watershed are given on one or more pages. For example, page 10.001-1 is location 10 (Watkinsville, GA), Watershed 1 (W-1 at Watkinsville), and page 1 of the data for that watershed. For convenience in finding items listed in table 3, pages are also numbered consecutively at the bottom (outside corner).

Table 3 is a list of continuing or new watersheds by State, locality, assigned location number, and land resource area, with number of watershed units and selected runoff events reported for 1978-79 in this publication. Table 4 includes similar data on discontinued watersheds.

Copies of this publication may be purchased from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

ARS has no additional copies for free distribution.

Issued August 1989

Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1978-79

This is the 22d publication in a series on hydrological data by the U.S. Department of Agriculture. The first three volumes are described in the following section and the others are summarized in table 1. The decimal paging system used (see explanation on preceding page) is consistent with that at the bottom of pages in the other 21 publications.

This publication contains selected hydrologic data from 72 watersheds for 1978 and 1979. It includes data on monthly precipitation and runoff for all the watersheds; annual maximum discharge and maximum volumes of runoff for intervals of 1, 2, 6, and 12 hours and 1, 2, and 8 days for 69 watersheds; daily precipitation for 72 watersheds; mean daily discharge for 72 watersheds; applicable daily maximum and minimum air temperatures for 60 watersheds; and detailed information on 1 or more selected typical storm events for 68 watersheds.

Information on selected storm events includes (a) tabular data for antecedent rainfall and runoff, (b) data on rainfall intensity and runoff for the event and on accumulated depth of rainfall and runoff, (c) description of watershed conditions at the time of the selected events, and (d) plottings of runoff hydrographs and rainfall histograms.

Newly established watersheds include descriptions of watershed physical characteristics, instrumentation, land management, graphs, maps, and recommended area of application of the results.

The first 11 publications in this series resulted from the cooperative efforts of several watershed research projects of the Agricultural Research Service and the editing staff in Beltsville, MD. Hydrologic data were summarized, arranged according to standardized formats, recorded on preprinted data sheets, and submitted to the editing office for final review, assemblage, and publication.

A computer-oriented system, designed and developed by the Water Data Laboratory, is now used to produce camera copy for these publications. This is the 11th publication that has been compiled using the computerized system. Hydrologic data submitted from research projects in digital computer form are accepted by the system. The required data analyses, summaries, tabular listings, and plottings are produced by the system. Narrative information is incorporated into the system as uppercase and lowercase alphameric data using computer-compatible word-processing equipment. The format of the hand-compiled publications (4-11) has been retained where practicable in the computer-compiled publications.

PUBLICATIONS OF EARLIER DATA

Historical hydrologic data on the experimental agricultural watersheds, both terminated and active, have been previously summarized in three looseleaf publications (reprints in bound volumes) by the Agricultural Research Service. They are described in the following three reference summaries. Beginning with the hydrologic data for 1956 through 1979, the types of data previously published separately in these three references are combined in U.S. Department of Agriculture Miscellaneous Publications 945, 994, 1070, 1164, 1194, 1216, 1226, 1262, 1330, 1370, 1380, 1383, 1412, 1420, 1437, 1446, 1451, 1454, and this current publication. These 19 publications are listed in table 1 as references 4-22. These reference numbers have been assigned to simplify citations to them in this and future publications. The first three looseleaf publications and the first eight miscellaneous publications have been recorded on 16-mm microfilm. Copies are available for the cost of the film processing.

Reference 1.—"Monthly Precipitation and Runoff for Small Agricultural Watersheds in the United States," Soil and Water Conservation Research Branch (691 pages, 1957), includes physical descriptions and land use of 334 experimental agricultural watersheds at 60 locations in 27 States from 1923 through 1957. Many of these watersheds were discontinued before 1955.

Reference 2.—"Annual Maximum Flows From Small Agricultural Watersheds in the United States," Soil and Water Conservation Research Division (330 pages, 1958), includes records from 322 watersheds at 59 locations in 27 States from 1923 through 1957. Many of these watersheds were discontinued before 1957.

Reference 3.—"Selected Runoff Events for Small Agricultural Watersheds in the United States," Soil and Water Conservation Research Division (374 pages, 1960), includes a sampling of 1 to 6 typical runoff events from 68 watersheds at 40 locations in 25 States from 1933 through 1959. The publication has maps of each watershed, information on watershed conditions for each event including the 30-day antecedent rainfall and runoff, and tabular as well as graphic data on each storm.

Copies of all these publications have been furnished to the Soil Conservation Service and other Federal, State, and local government agencies. Upon request, they have also been distributed to State agricultural experiment stations, university libraries and engineering departments, private engineers and individuals, and similar foreign institutions and individuals.

Table 2 lists a historical summary of the 22 publications including the designated watershed locations, area, record years of data, and a publication reference number indicating the specific data storage location in the ARS Water Data Base.

Table 3 summarizes the location of each watershed under study and reported in this 22d publication.

Table 4 lists the watershed units where studies were discontinued in 1977.

FORM OF DATA PRESENTATION

The data in this publication are presented for each watershed in the following order: (a) Watershed description, if not previously published; (b) monthly precipitation and runoff; (c) average monthly precipitation and runoff for period of record; (d) annual maximum flows; (e) daily temperature extremes for some watersheds, daily precipitation, and mean daily discharge; (f) selected runoff events; (g) graphs of selected runoff events; and (h) watershed maps, if not previously published or if revised.

Continuing Watersheds

For current watersheds for which the descriptive information has been published in references 1 and 4-20, the tabular data begin at the top of the first page. On each page at the bottom outside corner is a sequential page number, and the decimal paging system is shown at the bottom center.

The geographic location associated with each study, usually a city and State, and the local name and number of the watershed are recorded at the top of the first page for each watershed. This identification is followed by detailed information on the geographic location, including latitude and longitude when available, and the size of the watershed.

In the first table for each watershed appears the heading MONTHLY PRECIPITATION AND RUNOFF (INCHES). To

Table 1.--Description of references 4-22 of "Hydrologic Data for Experimental Agricultural Watersheds in the United States"

Reference	Year (19--)	Misc. Publ. No.	Year published (19--)	Total pages	Number of watersheds for which indicated data are given: Monthly precipitation and runoff	Annual maximum discharge and runoff for selected time intervals	Selected runoff events	New watersheds	Daily precipitation, discharge, and/or temperature (max-min)
4....	56-59	945	63	672	157	142	134	45	...
5....	60-61	994	65	496	160	145	133	24	...
6....	62	1070	68	447	164	155	136	13	50
7....	63	1164	70	465	168	156	142	9	57
8....	64	1194	71	460	163	163	143	8	57
9....	65	1216	72	568	189	178	122	22	60
10....	66	1226	72	399	198	185	106	11	60
11....	67	1262	73	634	216	204	174	26	62
12....	68	1330	76	542	174	174	116	1	174
13....	69	1370	79	602	167	150	139	5	167
14....	70	1380	79	515	153	139	113	2	150
15....	71	1383	80	509	145	135	122	1	145
16....	72	1412	81	433	131	117	98	0	131
17....	73	1420	82	404	100	97	88	1	100
18....	74	1437	83	417	98	95	82	0	98
19....	75	1446	84	580	98	95	82	8	98
20....	76	1451	86	324	93	90	79	0	93
21....	77	1454	87	341	88	85	73	0	88
22....	78-79	1469	89	613	72	69	209	1	72

Table 2.--Index to information on experimental agricultural watersheds included in references 1-22[1]

Watershed ID code[2]	Study location: Town	Study location: State	Watershed name/No.	Area in acres[3]	Record[4] (19--) B	Record[4] (19--) E	Index to information in reference[1]	Revised reference no.
01001	Arnot Forest	NY	W-1	17.9	41	47	01-02	
01002	Arnot Forest	NY	W-4	17.9	41	47	01-02	
02002	Cohocton	NY	W-II	13.8	38	45	01-03	
02003	Cohocton	NY	W-III	24.2	38	45	01-03	
04001	Freehold	NJ	W-I	17.5	38	43	01-03	
04002	Freehold	NJ	W-II	32.9	38	55	01-03	
04003	Freehold	NJ	W-III	51.8	38	43	01-02	
05001	College Park	MD	W-1	8.22	39	54	01-03	
05002	College Park	MD	W-2	7.44	39	54	01-03	
05003	College Park	MD	W-3	5.02	39	55	01-02	
05004	College Park	MD	W-4	5.03	39	55	01-02	
05005	College Park	MD	W-5	4.07	39	54	01-02	
05006	College Park	MD	W-6	3.53	40	62	01-05	06
05007	College Park	MD	W-7	3.52	40	62	01-05	06
05008	College Park	MD	W-8	2.43	40	55	01-03	
05009	College Park	MD	W-9	12.05	40	55	01-03	
05010	College Park	MD	W-10	3.04	43	54	01-02	
06001	Hagerstown	MD	W-I	46.3	38	47	01-02	
06002	Hagerstown	MD	W-II	80.8	38	47	01-03	
07001	Auburn	AL	W-I	27.0	45	47	01-02	
08001	Vero Beach	FL	W-1	49,915.	51	73	01-05, 07-11	06
08002*	Vero Beach	FL	W-2	(a)66,880.	55		01-02, 04-05, 07-11, 13-22	06
08003*	Vero Beach	FL	W-3	(b)12,224.	55		01-02, 04-05, 07-11, 13-22	06
08004	Vero Beach	FL	W-4	3,970.	59	73	06-11	
08005*	Vero Beach	FL	W-5	(c)20,992.	65		16-22	15
09001*	Americus	GA	W-I	22.8	38	43	01-02	
09002*	Americus	GA	W-II	42.8	38	42	01-02	
09003*	Americus	GA	W-III	32.0	38	42	01-02	
09004*	Americus	GA	W-IV	59.2	38	43	01-03	
10001*	Watkinsville	GA	W-1	19.2	39		01-02, 04-06, 08, 12-22	07
11001	High Point	NC	W.F.D.R.	21,100.	23	53	01-04	
11002	High Point	NC	M.C.	10,300.	34	41	01-02, 04	
11003	High Point	NC	U.R.	7,230.	34	41	01-02, 04	
12001	Statesville	NC	C-8	5.12	33	38	01-02	
12002	Statesville	NC	W-23	6.00	33	38	01-02	
13001	Blacksburg	VA	W-II	5.44	39	51	01-02	
13002	Blacksburg	VA	W-III	19.3	39	67	01-11	
13003	Blacksburg	VA	W-IV	3.49	51	67	01-02, 04-11	
13004	Blacksburg	VA	W-V	6.08	52	67	01-02, 04-11	
13005	Blacksburg	VA	W-VI	7.70	51	67	01-02, 04-11	
13006*	Blacksburg	VA	T.C.	3,054.	57	69	04-12	
13007*	Blacksburg	VA	C.C.	786.	57		05-16	
13008*	Blacksburg	VA	B.C.	893.	57		04-07, 09-16	08
13009*	Blacksburg	VA	P.C.	182.	58	69	05-07, 09-12	08
13010*	Blacksburg	VA	L.W.C.	1,471.	58	74	05-07, 09-16	08
13011*	Blacksburg	VA	R.R.B.	555.	58		05-07, 09-16	08
13012*	Blacksburg	VA	P.M.B.	192.	58	69	05-07, 09-12	08
13013*	Blacksburg	VA	C.R.	2,023.	59	69	05-09, 11-12	10
13014*	Blacksburg	VA	F.C.	389.	60	69	05-07, 09-12	08
13015*	Blacksburg	VA	C.B.	1,058.	60		05-07, 09-16	08
14001	Chatham	VA	W-I	13.3	38	48	01-02	
14002	Chatham	VA	W-II	16.1	38	48	01-02	
14003	Chatham	VA	W-III	17.1	38	48	01-03	
15001	Staunton	VA	W-I	390.	48	55	01-03	
15002	Staunton	VA	W-II	2,430.	48	55	01-02	
15003	Staunton	VA	W-III	6,144.	48	55	01-02, 04	

See footnotes at end of table.

Table 2.--Index to information on experimental agricultural watersheds included in references 1-22[1] (Continued)

Watershed ID code[2]	Study location: Town	Study location: State	Watershed name/No.	Area in acres[3]	Record[4] (19--) B	Record[4] (19--) E	Index to information in reference[1]	Revised reference no.
16006*	Klingerstown	PA	WE-38	1,773.	68		12-22	
17001*	Edwardsville	IL	W-1	27.22	38	55	01-03	
17002*	Edwardsville	IL	W-2	49.95	38	55	01-02	
17003*	Edwardsville	IL	W-3	12.55	38	42	01-02	
17004*	Edwardsville	IL	W-4	289.8	38	55	01-03	
18001	Elmwood	IL	WB-1	1.28	45	46	01	
18002	Elmwood	IL	WB-2	2.28	45	46	01	
18003	Elmwood	IL	WB-3	2.61	45	46	01	
18004	Elmwood	IL	WB-4	2.77	45	46	01	
18005	Elmwood	IL	WB-5	1.93	45	46	01	
18006	Elmwood	IL	WB-6	2.41	45	46	01	
18007	Elmwood	IL	WT-1	2.02	45	46	01	
18008	Elmwood	IL	WT-2	1.88	45	46	01	
18009	Elmwood	IL	WT-3	2.40	45	46	01	
18010	Elmwood	IL	WT-4	2.06	45	46	01	
18011	Elmwood	IL	WT-5	2.76	45	46	01	
18012	Elmwood	IL	WT-6	5.35	45	46	01	
19001	Lafayette	IN	W-1	2.55	40	53	01-02	
19002	Lafayette	IN	W-2	2.23	40	53	01-02	
19003	Lafayette	IN	W-4	2.01	40	53	01-02	
19004	Lafayette	IN	W-5	2.87	40	53	01-03	
19005	Lafayette	IN	W-6	2.79	40	53	01-03	
19006	Lafayette	IN	W-7	1.96	40	53	01-02	
19007	Lafayette	IN	W-8	1.96	40	53	01-02	
19008	Lafayette	IN	W-10	2.06	40	53	01-02	
19009	Lafayette	IN	W-11	2.05	40	53	01-02	
19010	Lafayette	IN	W-12	3.37	40	53	01-02	
19011	Lafayette	IN	W-13	3.02	40	53	01-02	
19012	Lafayette	IN	W-14	2.85	40	53	01-02	
19013	Lafayette	IN	W-15	3.59	40	53	01-02	
19014	Lafayette	IN	W-18	3.24	40	53	01-02	
19015	Lafayette	IN	W-20	2.64	40	52	01-02	
19016	Lafayette	IN	W-25	3.52	40	52	01-02	
19017	Lafayette	IN	W-31	1.64	40	51	01-02	
19018	Lafayette	IN	W-32	1.83	40	51	01-02	
19019	Lafayette	IN	W-33	3.44	40	51	01-02	
19020	Lafayette	IN	W-34	3.17	40	51	01-02	
20001	Clarinda	IA	W-V	3.25	32	42	01-02	
20002	Clarinda	IA	W-W	1.97	34	42	01-02	
20003	Clarinda	IA	W-X	1.97	34	42	01-02	
20004	Clarinda	IA	W-Y	3.25	32	42	01-02	
20005	Clarinda	IA	W-Z	3.12	32	42	01-02	
21001	Iowa City	IA	---	1,930.	24		01-06, 08-12	07
22001	Shenandoah	IA	No. 1	128,000.	34	40	01-02	
22002	Shenandoah	IA	No. 2	67,200.	34	40	01-02	
23001	East Lansing	MI	A	1.98	41	59	01-02, 04	
23002	East Lansing	MI	B	1.35	41	59	01-02, 04	
23003	East Lansing	MI	W	1.65	41	59	01-02, 04	
24001	Bethany	MO	Pa-A	2.03	34	42	01-02	
24002	Bethany	MO	Pa-B	5.56	32	42	01-02	
24003	Bethany	MO	Pa-C	1.97	37	42	01-02	
24004	Bethany	MO	D-1	7.51	34	42	01-02	
24005	Bethany	MO	D-2	8.03	34	42	01-02	
24006	Bethany	MO	D-3	4.48	32	42	01-03	
24007	Bethany	MO	1-58	2.12	33	42	01-02	
24008	Bethany	MO	IJ-1	2.13	33	42	01-02	
25001*	McCredie	MO	S.R.W.	153.	41		01-02, 04-06, 08-22	07
25002	McCredie	MO	No.2	44.3	51	63	01-02, 04-06	07

See footnotes at end of table.

Table 2.--Index to information on experimental agricultural watersheds included in references 1-22[1] (Continued)

Watershed ID code[2]	Study location: Town	Study location: State	Watershed name/No.	Area in acres[3]	Record[4] (19--) B	Record[4] (19--) E	Index to information in reference[1]	Revised reference no.
26001*	Coshocton	OH	102	1.26	37		01-02, 04-05, 07-22	06
26002*	Coshocton	OH	104	1.33	37	46	01-02, 04	
26003*	Coshocton	OH	129	2.71	38	71	01-02, 04-05, 07-15, 19-22	06
26004*	Coshocton	OH	135	2.69	38	69	01-02, 04-05, 07-13, 19-22	06
26005*	Coshocton	OH	130	1.63	38	71	01-02, 04-05, 07-14	06
26006*	Coshocton	OH	107	2.59	38	46	01-02, 04	
26007*	Coshocton	OH	131	2.21	38	69	01-02, 04-05, 07-13	06
26008*	Coshocton	OH	132	0.62	48	69	01-02, 04-05, 07-13	06
26009*	Coshocton	OH	134	0.92	38	46	01-02, 04	
26010*	Coshocton	OH	123	1.37	39		01-02, 04-05, 07-22	06
26011*	Coshocton	OH	115	1.61	39	70	01-02, 04-05, 07-13	06
26012*	Coshocton	OH	127	1.65	49	70	01-02, 04-05, 07-13	06
26013*	Coshocton	OH	109	1.69	38		01-02, 04-05, 07-22	06
26014*	Coshocton	OH	103	0.65	39		01-02, 04-05, 07-13	06
26015*	Coshocton	OH	110	1.27	39		01-02, 04-05, 07-13, 19-22	06
26016*	Coshocton	OH	113	1.45	39	76	01-02, 04-05, 07-13	06
26017*	Coshocton	OH	118	1.96	40	76	01-02, 04-05, 07-13	06
26018*	Coshocton	OH	111	1.18	39	70	01-02, 04-05, 07-13	06
26019*	Coshocton	OH	121	1.42	39		01-02, 04-05, 07-13, 19-22	06
26020*	Coshocton	OH	106	1.56	39	72	01-02, 04-05, 07-15, 19-22	06
26021*	Coshocton	OH	188	2.05	39	70	01-02, 04-05, 07-13	06
26022	Coshocton	OH	124	2.07	39	47	01-02, 04	
26023*	Coshocton	OH	185	7.40	39	72	01-02, 04-05, 07-14	06
26024*	Coshocton	OH	187	7.20	41	72	01-02, 04-05, 07-14	06
26025*	Coshocton	OH	192	7.59	39		01-02, 04-05, 07-13	06
26026*	Coshocton	OH	172	43.6	39	72	01-02, 04-05, 07-11	06
26027*	Coshocton	OH	169	29.0	40	71	01-02, 04-05, 07-13	06
26028*	Coshocton	OH	177	75.6	40	71	01-02, 04-05, 07-13	06
26029*	Coshocton	OH	183	74.2	38	63	01-5, 07	06
26030*	Coshocton	OH	196	303.	37		01-05, 07-22	06
26031*	Coshocton	OH	10	122.	39	71	01-02, 04-05, 07-14	06
26032*	Coshocton	OH	5	349.	40	71	01-02, 04-05, 07-14	06
26033*	Coshocton	OH	92	920.	39	71	01-02, 04-05, 07-14	06
26034*	Coshocton	OH	94	1,520.	39	71	01-02, 04-05, 07-14	06
26035*	Coshocton	OH	95	2,570.	39	72	01-02, 04-05, 07-15	06
26036*	Coshocton	OH	97	4,580.	37	70	01-05, 07-14	06
26037	Coshocton	OH	994	17,400.	36		01-02, 04-05, 07-11	06
26038*	Coshocton	OH	174	52.8	60	77	05, 07-22	06
26039*	Coshocton	OH	194	187.	60	77	05, 07-22	06
26040*	Coshocton	OH	182	69.6	64		10-14, 19-22	
26041*	Coshocton	OH	166	79.2	67		13-15, 19-22	
27001	Hamilton	OH	W-1	187.	38	44	01-03	
27002	Hamilton	OH	W-II	16.2	38	44	01-02	
27003	Hamilton	OH	W-III	28.8	38	44	01-02	
27004	Hamilton	OH	W-IV	20.3	38	44	01-02	
28001	Zanesville	OH	C.W.	2.55	34	45	01-02	
28002	Zanesville	OH	P.W.	3.57	34	45	01-02	
28003	Zanesville	OH	W.W.	2.23	34	45	01-02	
29001	Colby	WI	W-1	345.	49	66	01-10	
30001	Coon Valley	WI	No. 1	49,400.	34	40	01-02	
30002	Coon Valley	WI	No. 2	49,344.	34	40	01-02	
31001*	Fennimore	WI	W-1	330.	38	69	01-06, 08-11	07
31002*	Fennimore	WI	W-2	22.8	38	68	01-06, 08-11	07
31003*	Fennimore	WI	W-3	52.5	38	69	01-02, 04-06, 08-11	07
31004*	Fennimore	WI	W-4	171.	38	68	01-06, 08-11	07
32001	La Crosse	WI	U.P.W.	2.41	33	55	01-02	
32002	La Crosse	WI	U.C.W.	2.24	33	46	01-02	
32003	La Crosse	WI	C.W.	2.71	37	63	01-02, 04-06	07
32004	La Crosse	WI	C.W.A.	2.95	52	63	01-02, 04-06	07

See footnotes at end of table.

Table 2.--Index to information on experimental agricultural watersheds included in references 1-22[1] (Continued)

Watershed ID code[2]	Study location: Town	Study location: State	Watershed name/No.	Area in acres[3]	Record[4] (19--) B	Record[4] (19--) E	Index to information in reference[1]	Revised reference no.
32005	La Crosse	WI	E-3	1.01	33	42	01-02	
32006	La Crosse	WI	A-4	2.21	33	54	01-02	
33001	Bentonville	AR	W-1	10.03	38	43	01-02	
33002	Bentonville	AR	W-2	9.34	38	47	01-02	
33003	Bentonville	AR	W-3	14.25	38	47	01-02	
33004	Bentonville	AR	W-4	24.	39	47	01-02	
33005	Bentonville	AR	W-5	19.4	38	47	01-03	
33006	Bentonville	AR	W-6	10.75	39	47	01-02	
34001*	Cherokee	OK	W-1	2.23	42	60	01-02, 04	
34002*	Cherokee	OK	W-2	4.82	42	60	01-02, 04	
34003	Cherokee	OK	W-3	8.04	42	60	01-02, 04	
34004	Cherokee	OK	W-4	4.35	42	60	01-02, 04	
34005	Cherokee	OK	W-5	7.85	42	60	01-02, 04	
34006*	Cherokee	OK	W-6	1.75	42	60	01-02, 04	
34007*	Cherokee	OK	W-7	1.99	42	60	01-02, 04	
34008*	Cherokee	OK	W-8	4.72	41	60	01-02, 04	
34009	Cherokee	OK	W-9	8.50	42	60	01-04	
34010	Cherokee	OK	W-10	1.68	60	67	05-11	
34011	Cherokee	OK	W-11	2.12	60	67	05-11	
34012	Cherokee	OK	W-12	1.68	60	67	05-11	
34013*	Cherokee	OK	W-13	1.99	60	67	05-11	
34014	Cherokee	OK	W-14	2.16	60	67	05-11	
34015	Cherokee	OK	W-15	2.15	60	67	05-11	
35001*	Guthrie	OK	W-1	33.40	32	53	01-02	
35002*	Guthrie	OK	W-2	3.21	31	51	01-02	
35003*	Guthrie	OK	W-3	3.13	30	51	01-02	
35004*	Guthrie	OK	W-4	5.62	31	53	01-02	
35005*	Guthrie	OK	W-5	5.28	31	47	01-02	
35006*	Guthrie	OK	W-I	2.50	37	53	01-02	
35007*	Guthrie	OK	W-II	5.09	42	55	01-02	
35008*	Guthrie	OK	W-III	9.09	42	53	01-02	
35009*	Guthrie	OK	W-IV	13.4	42	53	01-02	
35010*	Guthrie	OK	W-V	15.7	42	53	01-02	
35011*	Guthrie	OK	W-VI	94.8	42	55	01-03	
36001	Muskogee	OK	W-I	14.5	39	47	01-02	
36002	Muskogee	OK	W-II	65.4	39	45	01-02	
36003	Muskogee	OK	W-IV	24.9	38	47	01-02	
37001*	Stillwater	OK	W-1	16.7	51		01-02, 04, 06-22	05
37002*	Stillwater	OK	W-3	92.	51	72	01-22	
37003*	Stillwater	OK	W-4	206.	51		01-02, 04-16	
38001	Garland	TX	W-I	25.	38	47	01-02	
38002	Garland	TX	W-III	10.4	38	47	01-02	
38003	Garland	TX	W-IV	16.2	39	47	01-02	
39001	Spur	TX	W-1	11.53	27	45	01-02	
39002	Spur	TX	W-2	9.39	27	45	01-02	
39003	Spur	TX	W-3	11.71	27	44	01-02	
39004	Spur	TX	W-5	5.81	27	45	01-02	
39005	Spur	TX	W-6	5.32	27	45	01-02	
39006	Spur	TX	W-11	8.70	30	45	01-02	
39007	Spur	TX	W-12	8.41	30	45	01-02	
39008	Spur	TX	W-14	8.53	30	45	01-02	
39009	Spur	TX	W-15	8.50	30	45	01-02	
40001	Tyler	TX	W-2	9.15	43	44	01-03	
40002	Tyler	TX	W-3	7.94	32	42	01-02	
40003	Tyler	TX	W-4	6.05	31	42	01-02	
40004	Tyler	TX	W-5	1.57	32	42	01-02	
41001	Vega	TX	W-1	129.	38	43	01-02	
41002	Vega	TX	W-2	95.9	38	43	01-03	

See footnotes at end of table.

Table 2.--Index to information on experimental agricultural watersheds included in references 1-22[1] (Continued)

Watershed ID code[2]	Study location: Town	Study location: State	Watershed name/No.	Area in acres[3]	Record[4] (19--) B	Record[4] (19--) E	Index to information in reference[1]	Revised reference no.
42001	Riesel	TX	A	42.	38	43	01-02	
42002*	Riesel	TX	C	579.	38		01-02, 04-07, 09-22	08
42003*	Riesel	TX	D	1,110.	37		01-07, 09-22	08
42004*	Riesel	TX	G	4,380.	38		01-02, 04-07, 09-22	08
42005	Riesel	TX	J	5,860.	37	43	01-03	
42006*	Riesel	TX	W-1	174.	37		01-07, 09-22	08
42007*	Riesel	TX	W-2	130.	37		01-02, 04-07, 0-19, 22	08
42008*	Riesel	TX	W-6	42.3	39		01-02, 04-07, 09-22	08
42009	Riesel	TX	W-8	40.4	38	43	01-02	
42010*	Riesel	TX	W-10	19.7	38		01-02, 04-07, 09-22	08
42011*	Riesel	TX	Y	309.	37		01-02, 04-07, 09-22	08
42012*	Riesel	TX	Y-2	132.	39		01-02, 04-07, 09-22	08
42013*	Riesel	TX	Y-4	79.9	39		01-02, 04-07, 09-12	08
42014*	Riesel	TX	Y-6	16.3	39		01-02, 04-07, 09-22	08
42015*	Riesel	TX	Y-7	40.	39	75	01-02, 04-07, 09-19	08
42016*	Riesel	TX	Y-8	20.8	39		01-02, 04-07, 09-22	08
42017*	Riesel	TX	Y-10	18.6	38		01-02, 04-07, 09-22	08
42018	Riesel	TX	SW-2	2.7	38	43	01-02	
42019	Riesel	TX	SW-3	3.09	39	43	01-02	
42020	Riesel	TX	SW-5	3.09	38	43	01-02	
42021	Riesel	TX	SW-6	3.04	38	43	01-02	
42022	Riesel	TX	SW-7	3.15	38	43	01-02	
42023*	Riesel	TX	SW-11	2.66	38		01-02, 13-19, 21-22	
42024*	Riesel	TX	SW-12	2.90	38		01-02, 04-07, 09-22	08
42025	Riesel	TX	SW-13	3.19	38	43	01-02	
42026	Riesel	TX	SW-14	3.02	39	43	01-02	
42027	Riesel	TX	SW-16	3.17	37	43	01-02	
42028*	Riesel	TX	SW-17	2.99	39		01-02, 04-07, 09-22	08
42029	Riesel	TX	SW-18	3.04	38	43	01-02	
42030	Riesel	TX	Z	310.	39	43	01-02	
42031*	Riesel	TX	P-1	.24	38	68	05-12	08
42032*	Riesel	TX	P-2	.24	38	68	05-12	08
42033*	Riesel	TX	P-3	.24	38	68	05-12	08
42034*	Riesel	TX	P-4	.24	38	68	05-12	08
42035*	Riesel	TX	SW-19	3.25	70		14-22	
42036*	Riesel	TX	SW-20	3.21	70		14-22	
42037*	Riesel	TX	Y-13	11.3	69		13-22	
42038*	Riesel	TX	Y-14	5.6	69		13-19, 21-22	
42039*	Riesel	TX	W-12	9.9	69		13-22	
42040*	Riesel	TX	W-13	11.3	69		13-22	
43001	Hays	KS	6L	2.85	34	38	01-02	
43002	Hays	KS	AG	1.61	32	47	01-02	
44001*	Hastings	NE	W-3	481.	38	67	01-05, 07-11	06
44002*	Hastings	NE	W-5	411.	39	67	01-02, 04-05	
44003*	Hastings	NE	W-8	2,086.	39	67	01-05, 07-11	06
44004*	Hastings	NE	W-11	3,490.	39	67	01-02, 04-05, 07-11	06
44005*	Hastings	NE	1-H	3.62	39	67	01-02, 04-05, 07-11	06
44006*	Hastings	NE	2-H	3.40	39	67	01-02, 04-05, 07-11	06
44007*	Hastings	NE	3-H	3.77	39	67	01-02, 04-05, 07-11	06
44008*	Hastings	NE	4-H	3.64	39	67	01-02, 04-05, 07-11	06
44009*	Hastings	NE	5-H	4.02	39	67	01-02, 04-05, 07-11	06
44010*	Hastings	NE	6-H	4.01	39	67	01-02, 04-05, 07-11	06
44011*	Hastings	NE	7-H	4.26	39	67	01-02, 04-05, 07-11	06
44012*	Hastings	NE	8-H	3.97	39	67	01-02, 04-05, 07-11	06
44013*	Hastings	NE	9-H	3.78	39	54	01-02	
44014*	Hastings	NE	10-H	3.98	39	54	01-02	
44015*	Hastings	NE	11-H	3.85	39	54	01-02	
44016*	Hastings	NE	12-H	3.66	39	54	01-02	
44017*	Hastings	NE	13-H	3.41	39	54	01-02	
44018*	Hastings	NE	14-H	3.35	39	54	01-02	

See footnotes at end of table.

Table 2.--Index to information on experimental agricultural watersheds included in references 1-22[1] (Continued)

Watershed ID code[2]	Study location: Town	Study location: State	Watershed name/No.	Area in acres[3]	Record[4] (19--) B	Record[4] (19--) E	Index to information in reference[1]	Revised reference no.
44019*	Hastings	NE	15-H	3.62	39	54	01-02	
44020*	Hastings	NE	16-H	3.57	39	54	01-02	
44021*	Hastings	NE	17-H	3.96	39	54	01-02	
44022*	Hastings	NE	18-H	3.74	39	67	01-02, 04-05, 07-11	06
44023*	Hastings	NE	19-H	4.10	41	54	01-02	
44024*	Hastings	NE	20-H	4.05	41	54	01-02	
44025*	Hastings	NE	21-H	3.94	41	54	01-02	
44026*	Hastings	NE	22-H	3.83	41	67	01-02, 07-11	06
44027*	Hastings	NE	23-H	4.20	41	67	01-02, 06-11	
44028*	Hastings	NE	24-H	4.21	41	54	01-02	
44029*	Hastings	NE	25-H	2.24	63	67	07-11	
45001*	Safford	AZ	W-I	519.	39	76	01-02, 04-06, 08-11	07
45002*	Safford	AZ	W-II	682.	39	76	01-06, 09-11	08
45003*	Safford	AZ	W-IV	764.	39	76	01-02, 04-06, 08-11	
45004*	Safford	AZ	W-V	723.	39	76	01-02, 04-06, 08-11	07
46001	Colorado Spr.	CO	W-1	10.6	38	46	01-02	
46002	Colorado Spr.	CO	W-2	39.7	38	46	01-02	
46003	Colorado Spr.	CO	W-3	35.4	38	46	01-02	
46004	Colorado Spr.	CO	W-4	35.6	38	46	01-03	
47001*	Albuquerque	NM	W-I	246.	39	76	01-06, 09-12	08
47002*	Albuquerque	NM	W-II	40.5	39	76	01-02, 04-06, 08-12	07
47003*	Albuquerque	NM	W-III	176.	39	76	01-02, 04-06, 08-12	07
48001	Mexican Spr.	NM	W-1	187.	38	42	01-02	
48002	Mexican Spr.	NM	W-2	610.	37	42	01-03	
48003	Mexican Spr.	NM	W-3	1,325.	38	42	01-02	
48004	Mexican Spr.	NM	W-6	5,550.	37	42	01-03	
48005	Mexican Spr.	NM	W-7	8,495.	38	42	01-02	
48006	Mexican Spr.	NM	W-8	20,910.	37	42	01-03	
48007	Mexican Spr.	NM	W-10	17,220.	37	42	01-02	
48008	Mexican Spr.	NM	W-11	46,080.	37	39	01-03	
48009	Mexican Spr.	NM	W-12	2,550.	37	39	01-02	
48010	Mexican Spr.	NM	W-13	3,360.	37	39	01-02	
48011	Mexican Spr.	NM	W-14	3,560.	37	38	01-02	
48012	Mexican Spr.	NM	W-15	4,740.	37	39	01-02	
49001	Santa Fe	NM	W-I	141.	39	48	01-03	
49002	Santa Fe	NM	W-II	790.	39	48	01-02	
49003	Santa Fe	NM	W-III	51.6	39	48	01-02	
50001	Placerville	CA	W-1	41.	35	44	01-03	
51001	Santa Paula	CA	W-1	413.	38	42	01-02	
51002	Santa Paula	CA	W-3	106.	38	42	01-02	
51003	Santa Paula	CA	W-4	44.4	38	42	01-02	
51004	Santa Paula	CA	W-5	55.1	38	42	01-02	
51005	Santa Paula	CA	W-6	163.	38	42	01-02	
51006	Santa Paula	CA	H.B.R.	735.	36	42	01-02	
51007	Santa Paula	CA	L.A.	1,607.	34	40	01-02	
51008	Santa Paula	CA	H.P.R.	1,832.	34	43	01-02	
51009	Santa Paula	CA	H.A.B.	5,939.	34	37	01-02	
52001	Sebastopol	CA	W-1	83.	36	43	01-03	
52002	Sebastopol	CA	W-2	56.	36	40	01-02	
53001	Vacaville	CA	W-I	40.	37	42	01-02	
54001	Watsonville	CA	W-1	16.8			01-02	
54002	Watsonville	CA	W-2	18.5			01-02	
54003	Watsonville	CA	W-3	27.4	38	42	01-03	
54004	Watsonville	CA	W-4	10.1	38	42	01-02	
55001	Emmett	ID	W-1	219.4	38	41	01-02	
55002	Emmett	ID	W-2	69.4	38	41	01-03	

See footnotes at end of table.

Table 2.--Index to information on experimental agricultural watersheds included in references 1-22[1] (Continued)

Watershed ID code[2]	Study location: Town	Study location: State	Watershed name/No.	Area in acres[3]	Record[4] (19--) B	Record[4] (19--) E	Index to information in reference[1]	Revised reference no.
56001*	Moscow	ID	W-1	146.8	37	42	01-03	
56002*	Moscow	ID	W-2	177.9	37	42	01-03	
57001	Newberg	OR	W-1	13.2	38	42	01-03	
57002	Newberg	OR	W-2	21.6	38	42	01 02	
57003	Newberg	OR	W-3	12.8	38	42	01-03	
57004	Newberg	OR	W-4	6.2	38	42	01-03	
58001	Dayton	WA	W-1	19.2	39	42	01-02	
59001	Pullman	WA	S.F.P.R.	51,900.	34	40	01-02	
59002	Pullman	WA	M.F.C.	17,600.	34	40	01-02	
59003	Pullman	WA	F.M.C.	46,000.	34	40	01-02	
60001	Pullman	WA	G.S.2	68.2	31	46	01-03	
60002	Pullman	WA	G.S.4	2.33	31	38	01-02	
60003	Pullman	WA	G.S.5	14.4	32	46	01-02	
60004	Pullman	WA	G.S.6	15.2	32	46	01-02	
60005	Pullman	WA	G.S.7	16,700.	32	38	01-02	
60006	Pullman	WA	G.S.8	762.	34	41	01-03	
60007	Pullman	WA	G.S.9	879.	41	46	01-02	
60008	Pullman	WA	G.S.10	4,430.	41	47	01-03	
61001*	Monticello	IL	IA	82.	49	59	01-04, 18-22	
61002*	Monticello	IL	IB	45.5	49	59	01-04, 18-22	
62001*	Oxford	MS	W-4	2,000.	57		03-05, 07-18	06
62002*	Oxford	MS	W-5	1,000.	57		03-05, 07-18	06
62003*	Oxford	MS	W-10	5,530.	57		03-05, 07-15	06
62004*	Oxford	MS	W-12	22,800.	57		04-05, 07-15	06
62005*	Oxford	MS	W-17	32,100.	57		04-05, 07-18	06
62006	Oxford	MS	W-19	243.	57	64	04-05, 07-08	06
62007*	Oxford	MS	W-24	512.	57		04-05, 07-15	06
62008*	Oxford	MS	W-28	1,080.	57		04-05, 07-15	06
62009	Oxford	MS	W-30	113.	57	59	04	
62010*	Oxford	MS	W-32	20,000.	57		04-05, 07-18	06
62011*	Oxford	MS	W-34	75,000.	57		03-05, 07-13, 15-18	06
62012*	Oxford	MS	W-35	7,550.	57	77	04-05, 07-15	06
62013	Oxford	MS	WC-1	3.88	58		04-05, 07-11	06
62014*	Oxford	MS	WC-2	1.45	58		04-05, 07-11	06
62015	Oxford	MS	WC-3	1.61	58		04-05, 07-11	06
62016	Oxford	MS	WP-4	3.01	58	63	04-05, 07	06
62017*	Oxford	MS	W-17A	3,200.	57		05, 07-15	06
62018*	Oxford	MS	W-35A	1,090.	57		05, 07-15	06
63001*	Tombstone	AZ	W-1	36,900.	54		04-06, 08-10, 12-21	07
63002*	Tombstone	AZ	W-2	28,100.	54		04-06, 09-10, 12-21	07
63003*	Tombstone	AZ	W-3	2,220.	54		04-06, 09-21	07
63004*	Tombstone	AZ	W-4	560.	54		04-06, 08-21	07
63005*	Tombstone	AZ	W-5	5,510.	54	73	04-6	07
63006*	Tombstone	AZ	W-6	23,500.	62	74	07-10, 12-15	
63007*	Tombstone	AZ	6307	3,340.	66	74	10-11	
63008*	Tombstone	AZ	6308	3,830.	63	74	08-10, 12-21	
63011*	Tombstone	AZ	6311	2,035.	63	74	08-10, 12-21	
63015*	Tombstone	AZ	6315	5,912.	65	74	09-21	
63103*	Tombstone	AZ	63103	8.3	65		10-12, 16-21	
63111	Tombstone	AZ	63111	143.	62	68	10-12	
64001*	Santa Rosa	NM	W-1	42,880.	55	79	04-10, 12-21	
65002	Newell	SD	W-2	115.	58	73	04-16	
65003	Newell	SD	W-3	90.	58	61	04-05	
65004	Newell	SD	W-4	105.	58	61	04-05	
65005	Newell	SD	W-5	46.	58	73	04-16	
65006	Newell	SD	W-6	30.	58	61	04-05	

See footnotes at end of table.

Table 2.--Index to information on experimental agricultural watersheds included in references 1-22[1] (Continued)

Watershed ID code[2]	Study location: Town	Study location: State	Watershed name/No.	Area in acres[3]	Record[4] (19—) B	Record[4] (19—) E	Index to information in reference[1]	Revised reference no.
65007	Newell	SD	W-7	160.	58	73	04, 06-16	05
65008	Newell	SD	W-8	160.	58	61	04-05	
65009	Newell	SD	W-9	815.	58	61	04-05	
65010	Newell	SD	W-10	280.	58	61	04-05	
65011	Newell	SD	W-11	160.	58	61	04-05	
65012	Newell	SD	W-12	90.	58	73	04, 06-16	05
65013	Newell	SD	W-13	160.	58	73	04-16	
65014	Newell	SD	W-14	35.	58	73	04, 06-16	05
65015	Newell	SD	W-15	115.	58	73	04, 06-16	05
65016	Newell	SD	W-16	13,000.	58	61	04	05
66001*	Moorefield	WV	W-1	8.57	58	67	04-05, 07-11	06
66002*	Moorefield	WV	W-2	9.73	58	67	04-05, 07-11	06
66004*	Moorefield	WV	W-4	6.32	58	67	04-05, 07-11	06
66005*	Moorefield	WV	W-5	9.55	58	67	04-05, 07-11	06
67001*	N. Danville	VT	W-1	10,610.	58	76	04-08, 11-17	
67002*	N. Danville	VT	W-2	146.	58	78	04-08, 11-15	
67003*	N. Danville	VT	W-3	2,067.	60		05-08, 11-17	
67004*	N. Danville	VT	W-4	10,752.	60	74	11-17	
67005*	N. Danville	VT	W-5	27,469.	60	79	05-08, 11-17	
68001*	Reynolds	ID	W-1	57,700.	63		07-22	
68002*	Reynolds	ID	W-2	8,990.	65		09-22	
68003*	Reynolds	ID	W-3	7,846.	66		10-22	
68004*	Reynolds	ID	W-4	13,453.	67		11-22	
68011*	Reynolds	ID	W-11	306.	67	77	11-21	
68012*	Reynolds	ID	W-12	205.	67	77	11-19	
68013*	Reynolds	ID	W-13	100.	63		10-22	
68014*	Reynolds	ID	W-14	33.	67		11-22	
69001*	Chickasha	OK	100	2,339,800.	61	77	06-21	
69002*	Chickasha	OK	200	(d)2,612,500. (e) 273,000.	61	75	06-18	
69004*	Chickasha	OK	400	(d)2,725,760. (e) 112,910.	61	68	06-10	
69005*	Chickasha	OK	500	(d)2,769,920. (e) 43,840.	64	77	08-21	
69006*	Chickasha	OK	600	(d)3,011,800. (e) 243,050.	63	72	07-14	
69007*	Chickasha	OK	700	(d)3,061,120. (e) 50,830.	61	77	06-21	
69008*	Chickasha	OK	611	4,845.	61	74	06-09, 13-18	
69009*	Chickasha	OK	612	563.	61	74	006-18	
69010*	Chickasha	OK	111	16,634.	62	77	06-21	
69011*	Chickasha	OK	131	25,660.	62	77	06-21	
69012*	Chickasha	OK	411	33,330.	62	74	06-18	
69013*	Chickasha	OK	511	38,020.	62	77	06-21	
69014*	Chickasha	OK	110	25,020.	63	77	07-21	
69015*	Chickasha	OK	522	132,990.	63		07-22	
69016*	Chickasha	OK	512	22,530.	63	77	07-21	
69017*	Chickasha	OK	621	21,310.	63	77	07-21	
69018*	Chickasha	OK	121	131,780.	63	74	07-18	
69019*	Chickasha	OK	513	12,314.	65	77	09-22	
69020	Chickasha	OK	514	7,225.	67	77	11-22	
69021	Chickasha	OK	5141	4,064.	67	77	11-22	
69022	Chickasha	OK	5142	360.	67	74	11-22	
69023	Chickasha	OK	5143	485.	67	74	11-22	
69024	Chickasha	OK	5144	1,456.	67	77	11-22	
69025	Chickasha	OK	5145	253.	67	77	11-22	
69026	Chickasha	OK	5146	762.	67	77	11-22	
69027*	Chickasha	OK	311	15,206.	67	77	11-21	
69028*	Chickasha	OK	515	1,657.	73		17-22	
69030*	Chickasha	OK	C-1	17.8	65	76	09-20	
69031*	Chickasha	OK	C-2	32.5	62	75	09-18	

See footnotes at end of table.

Table 2.--Index to information on experimental agricultural watersheds included in references 1-22[1] (Continued)

Watershed ID code[2]	Study location: Town	Study location: State	Watershed name/No.	Area in acres[3]	Record[4] (19--) B	Record[4] (19--) E	Index to information in reference[1]	Revised reference no.
69032*	Chickasha	OK	C-3	44.3	65	76	09-20	
69033*	Chickasha	OK	C-4	29.9	65	76	09-20	
69034*	Chickasha	OK	C-5	12.8	65	76	09-20	
69035*	Chickasha	OK	C-6	13.0	65	76	09-20	
69036*	Chickasha	OK	C-7	26.5	65	76	09-20	
69037*	Chickasha	OK	C-8	27.3	65	76	09-20	
69038	Chickasha	OK	R-1	17.8	62	74	09-18	
69039	Chickasha	OK	R-2	24.1	62	74	09-18	
69040	Chickasha	OK	R-3	25.8	62	74	09-18	
69041	Chickasha	OK	R-4	18.1	62	74	09-18	
69042*	Chickasha	OK	R-5	23.7	66	78	10-21	
69043*	Chickasha	OK	R-6	27.2	66	78	10-21	
69044*	Chickasha	OK	R-7	19.2	66	78	10-21	
69045*	Chickasha	OK	R-8	27.6	66	78	10-21	
70001*	Sonora	TX	W-14	30,720.	61	73	11-16	
70002*	Sonora	TX	S-9	1,774.	61	73	11-16	
70003*	Sonora	TX	S-10	5,392.	61	73	11-16	
70004*	Sonora	TX	S-11	10,787.	61	73	11-16	
70005*	Sonora	TX	S-12	2,801.	61	73	11-15	
70006*	Sonora	TX	S-13	686.	61	73	11-16	
70007*	Sonora	TX	W-1	10.2	63	75	11-16	
70008*	Sonora	TX	W-2	8.6	65	75	11-16	
70009*	Sonora	TX	W-3	6.7	65	75	11-16	
70010*	Sonora	TX	W-4	4.5	66	75	11-16	
70011*	Sonora	TX	W-5	7.2	66	75	11-16	
70012*	Sonora	TX	W-6	6.9	66	75	11-16	
70013*	Sonora	TX	W-7	12.2	65	73	11-16	
71001*	Treynor	IA	W-1	74.5	64		08-22	
71002*	Treynor	IA	W-2	82.8	64		08-22	
71003*	Treynor	IA	W-3	107.	64		08-22	
71004*	Treynor	IA	W-4	150.	64		08-22	
71005*	Treynor	IA	W-5	389.	63	73	08-15	
72001*	Cottonwood	SD	H-2	2.13	63	73	09-16	
72002*	Cottonwood	SD	L-2	2.38	63	73	09-16	
72005*	Cottonwood	SD	M-1	2.35	63	73	09-16	
73002*	Fort Staunton	NM	7302	32.2	66		10	
74002*	Tifton	GA	W-TB	82,624.	69		19-22	
74003*	Tifton	GA	W-TN	3,872.	68		19-22	
74004*	Tifton	GA	W-TO	3,936.6	68		19-22	
74005*	Tifton	GA	W-TF	28,403.8	68		19-22	
74006*	Tifton	GA	W-TI	12,358.	68		19-22	
74007*	Tifton	GA	W-TJ	5,466.	70		19-22	
74008*	Tifton	GA	W-TK	4,141.	68		19-22	
74009*	Tifton	GA	W-TM	672.	68		19-22	
75001*	Ahoskie	NC	W-A1	36,480.	64	74	09-16	
75002*	Ahoskie	NC	W-A2	15,360.	64	74	09-16	
75003*	Ahoskie	NC	W-A3	2,368.	64	74	09-16	
75004*	Ahoskie	NC	W-A4	1,664.	64	74	09-16	

[1] For description of references 1-21, see page 1 and table 1.
[2] * = streamflow data for all or part of record period are stored in ARS Water Data Bank.
[3] (a) area changed from 63,170 acres (1-1-1967).
(b) area changed from 10,050 acres (1-1-1967).
(c) area changed from 22,656 acres (1-1-1967).
(d) total drainage area.
(e) total study area.
[4] B = year (19--) record began.
E = year (19--) record ended.

the right of that heading are given the location and watershed number (or designation).

In the table for the current calendar year, the precipitation (P) in inches is given in the monthly columns and the yearly total in the last column, headed annual. In the line below, the corresponding runoff (Q) in inches is similarly given for each month and the total for the year. For some watersheds, data are included for years prior to the current year. Underneath, in two lines, are given the (P) and (Q) station average amounts (STA AV) by months, with average annual total for the period of record.

Usually, the first table for each watershed contains a second heading entitled ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS. Data are then given for the calendar year listed in the first column. Under the maximum discharge heading, the date column shows the month and day that the instantaneous peak in inches per hour occurred. In computing this rate, corrections were made, where needed, for any significant pondage above the runoff-measuring device. Under the maximum volume heading, the date refers to the month and day on which the interval began; for example, if the interval began August 30 at 2359, the entry in the date column would be 8-30. The depths for 1 hour to 8 days are the annual maximum values recorded, without regard to entire clock hours or days; thus, if the 6-hour interval began at 1332, the interval would end exactly 6 hours later at 1932. The volume given is in inches of average depth over the watershed for each of the seven selected time intervals (1, 2, 6, and 12 hours and 1, 2, and 8 days). In the last section of the table, the maximum discharges and depths for the various periods are given under MAXIMUMS FOR PERIOD OF RECORD.

Notes and footnotes below the first table for each watershed include (a) a general statement as to watershed conditions and other physical changes for the period covered, (b) publication in which the most recent map may be found, (c) length of precipitation and runoff records, and (d) location of the nearest longtime National Weather Service precipitation station together with the record length.

For some watersheds, tables of daily air temperature (maximum and minimum in degrees Fahrenheit), daily precipitation (inches), and mean daily discharge (cfs) are next, with explanation of the data in footnotes at the end of each table. The multiplier to convert mean daily discharge in cubic feet per second (cfs) to inches per day is given as the first note following the mean daily discharge table. Cooperating agencies are identified at the bottom of the first page for each watershed just above the index page number.

If no daily tables are given, the tabular data for selected runoff events begin in the remaining space on the first page and are carried forward on continuation sheets (or pages) until completed. In general, the selected runoff events are those in which runoff was produced by a relatively uniform rainfall excess of short duration. The information for each event includes tabulation of (a) antecedent rainfall and runoff that occurred on the day of the event prior to the beginning of the event, (b) rainfall intensities and accumulated amounts for the event, (c) runoff rates and accumulated amounts for the event, and (d) specific watershed conditions at the time of the event.

Simple graphs of rainfall and runoff rates for all events follow the tabular data. Runoff rates expressed in both cubic feet per second (cfs) and inches per hour (in/hr) are shown on the graphs. Some very low runoff rates expressed in in/hr are given in the "E" format, such as 7.25 E-4, which is equal to 0.000725 in/hr.

Maps follow the graphs unless previously published in references 3-20 or unless shown herein on the map of another watershed.

In the notes at the bottom of the first page for runoff events, the multiplier to convert runoff rates in cubic feet per second to inches per hour is given. The notes on continuation pages contain the statement on the multiplier and similar explanations of the data on each page.

New Watersheds

For the watersheds installed in recent years and not reported previously (see table 3), the presentation begins with the watershed description in the upper part of the first page. The explanations and definitions on which the description is based are given in the next section.

The first line, centered at the top of the sheet, indicates the project location, which is the nearest city or town; the number or name of the watershed used locally; and the latitude and longitude of the stream gage. Descriptive information is then given under several of the following 12 major topics: Location, Area, Slopes, Soils, Erosion, Land Capability, Watershed Geology, Surface Drainage, Character of Flow, Instrumentation, Watershed Conditions, and Generally Represents.

After this description, the tabular data are summarized in the first two tables, and data are included as previously described for contributing watersheds. The tabular data for daily air temperature, precipitation, and discharge, if presented, precede the tabular data for SELECTED RUNOFF EVENTS. The rest of the material of this series for this particular watershed follows in the same order as previously indicated.

WATERSHED DESCRIPTIONS

The following definitions and explanations were used in describing watershed location, watershed characteristics, instrumentation, land management, and recommended area of application of the hydrologic data.

LOCATION gives county and State, distance and direction of the runoff gaging station from the nearest city or town, the major river basin in which it lies, and latitude and longitude. When two or more basins are involved, the tributary or subbasin is mentioned first, followed by the major basin.

AREA of watershed is given in acres if less than 640 acres and in both acres and square miles if more than 1 square mile. If areas are revised, additional values are included with notes identifying the date of change.

SLOPES are given in terms of the ranges commonly used in survey work in the locality. The percentages of the watershed lying in each slope class are listed. As an example, "8 percent is in 0-2 percent class" means that 8 percent of the watershed area has slopes ranging from 0 to 2 percent.

SOILS are described briefly, according to definitions from the U.S. Department of Agriculture's "Soil Survey Manual," Agriculture Handbook 18, published in 1951. Soil descriptions are given for the new watersheds. Soil-type name consists of the soil series plus the textural class, determined primarily by the texture of the upper part of the soil profile.

Soil texture refers to the relative proportions of the various size groups (or separates) of individual soil grains in a mass of soil. It refers specifically to the proportions of clay, silt, and sand less than 2 mm in diameter. The various classes of texture in order of increasing percentages of the smaller size groups are (a) sand, (b) loamy sand, (c) sandy loam, (d) loam, (e) silt loam, (f) silt, (g) sandy clay loam, (h) clay loam, (i) silty clay loam, (j) sandy clay, (k) silty clay, and (l) clay. In some of the descriptions, the broader classification of coarse, moderately coarse, medium, moderately fine, or fine has been used. The coarse soils are the sands and the fine soils are the clays.

Soil structure refers to the aggregation of primary soil particles into compound particles, or clusters of primary particles, that are separated from adjoining aggregates by surfaces of weakness. Structure grade, or the durability of the aggregates when subjected to disturbance, is described as structureless, weak, moderate, or strong. For some soils the structureless grade is described as massive if coherent or single grain if noncoherent. The size of the aggregates is reported as very fine, fine, medium, coarse, or very coarse. Structure shape is given as being platy, prismatic, columnar, angular blocky, subangular blocky, granular, or crumb.

Permeability is the quality of a soil that enables it to transmit water or air. This quality is indicated by the terms very slow, slow, moderately slow, moderate, moderately rapid, rapid, or very rapid.

Internal soil drainage is the quality of a soil that permits the downward flow of excess water through it. Internal drainage is reflected in the frequency and duration of periods of saturation with water. It is determined by the texture, structure, and other characteristics of the soil profile and of underlying layers, and by the height of the water table, either permanent or perched, in relation to the water added to the soil. Internal drainage is described as none, very slow, slow, medium, rapid, or very rapid.

Soils may be grouped into soil drainage classes, based on observations and inferences used to obtain classes of runoff, soil permeability, and internal soil drainage. These classes are given in some soil descriptions to identify internal drainage. They are very poorly drained, poorly drained, imperfectly or somewhat poorly drained, moderately well drained, well drained, somewhat excessively drained, or excessively drained.

EROSION conditions on the watershed are described according to the following classification for water and wind erosion, also briefed from Agriculture Handbook 18. The percentage of the watershed in the following erosion classes is given.

Class 1.—The soil has a few rills or places with thin A horizons that give evidence of accelerated erosion, but not to an extent to greatly alter the thickness and character of the A horizon. Except for soils having very thin A horizons (less than 8 inches), the surface soil consists entirely of A horizon throughout nearly all the delineated areas. Up to about 25 percent of the original A horizon, or original plowed layer in soils with thin A horizons, has been removed from most of the area. This class also includes the areas with no erosion.

Class 2.—The soil has been eroded to the extent that ordinary tillage implements reach through the remaining A horizon or well below the depth of the original plowed layer in soils with thin A horizons. Generally the plowed layer consists of a mixture of the original A horizon and the underlying horizons. Mapped areas of eroded soil usually have patches in which the plowed layer consists entirely of the original A horizon and others in which it consists entirely of underlying horizons. Shallow gullies may be present. Approximately 25 to 75 percent of the original A horizon or surface soil may have been lost from most of the area.

Class 3.—The soil has been eroded to the extent that all or practically all the original surface soil, or A horizon, has been removed. The plowed layer consists essentially of materials from the B or other underlying horizons. Patches in which the plowed layer is a mixture of the original A horizon and the B horizon, or other underlying horizons, may be included within mapped areas. Shallow gullies or a few deep ones are common in some soil types. Approximately 75 percent of the A horizon and commonly part or all of the B horizon, or other underlying horizons, have been lost from most of the area.

Class 4.—The land has been eroded until it has an intricate pattern of moderately deep or deep gullies. Soil profiles have been destroyed except in small areas between the gullies. Such land is not useful for crops in its present condition. Reclamation for crop production or for improved pasture is difficult, but it may be practicable if other characteristics of the soil are favorable and erosion can be controlled.

Class +.—Recent alluvial and colluvial deposition.

LAND CAPABILITY is given as classified by Klingebiel and Montgomery in U.S. Department of Agriculture's "Land-Capability Classification," Agriculture Handbook 210, published in 1961. The classification expresses the suitability of land for use without deterioration. The eight land-capability classes are distinguished according to the risk of land damage or difficulty of land use. Classes I-IV are suitable for cultivation and other uses, whereas classes V-VIII are not suitable for cultivation.

Class I.--Very good land for cultivation; nearly level and productive; not subject to erosion; needs only ordinary good farming methods.

Class II.--Good land for cultivation; mostly gently sloping; not more than moderately subject to erosion; some land may be rather wet; can be farmed safely with easily applied practices.

Class III.—Moderately good land for cultivation; mostly moderately sloping; some areas too wet or too dry; can be farmed safely with practical conservation measures carefully applied; usually a combination of two or more measures is needed.

Class IV.—Fairly good land, suitable for occasional cultivation; generally strongly sloping; often shallow or very sandy; often found in dry climate.

Class V.--Land very well suited for grazing or forestry; requires good range or woodland management.

Class VI.—Land well suited for grazing or forestry; steeply sloping land, or stony or shallow soil; eroded, droughty, or wet land; requires careful management.

Class VII.—Land fairly well suited for grazing or forestry; severely limited in use by such factors as very steep slope, shallow or droughty soil, wetness, severe erosion, or excessive salinity; requires very careful management.

Class VIII.—Land not suitable for cultivation, grazing, or forestry; may be useful for wildlife, recreation, or protection of water supplies.

WATERSHED GEOLOGY information, when available, for new watersheds is reported here. The parts of each watershed occupied by various geological formations or series are briefly described, together with strike and dip of the strata, thickness, and relative position, when known. Faults, perched water tables, outcrops (if present), and other details relating to the movement of water within the drainage area or affecting the hydrology of the watershed are described.

SURFACE DRAINAGE refers to the ease with which excess water flows from the watershed area. The length of the principal waterway is the distance from the gaging station to the most remote point on the watershed boundary, measured along the flood plain of the watercourse.

CHARACTER OF FLOW describes the flow of the principal watercourse with respect to permanence and space. The following definitions are from Meinzer's "Outline of Ground-Water Hydrology," U.S. Geological Survey Water-Supply Paper 494, published in 1923. As to permanence, streams may be divided into perennial, intermittent, and ephemeral.

A perennial stream, or stretch of a stream, flows continuously. Perennial streams are generally fed in part by springs, and their upper surfaces usually stand lower than the water table in the localities through which they flow.

Intermittent streams may be divided, with respect to their water source, into spring-fed intermittent streams and surface-fed intermittent streams. They also flow in direct response to precipitation.

A spring-fed intermittent stream, or stretch of a stream, flows only at certain times when it receives water from springs. The intermittent character of streams of this type is generally caused by fluctuations of the water table, whereby the stream channels stand sometimes below the water table and other times above. This is the ordinary type of intermittent stream.

A surface-fed intermittent stream, or stretch of a stream, flows during protracted periods when it receives water from some surface source, generally the gradual and long-continued melting of snow in a mountainous or other cold tributary area. The term may be arbitrarily restricted to streams or stretches of streams that flow continuously during periods of at least 1 month.

An ephemeral stream, or stretch of a stream, flows only in direct response to precipitation. It receives no water from springs and no long-continued supply from melting snow or other surface source. Its stream channel is at all times above the water table. The term may be arbitrarily restricted to streams or stretches of streams that do not flow continuously for as long as 1 month.

With respect to continuity in space, streams may be divided into continuous and interrupted streams. An interrupted stream contains (a) perennial stretches with intervening, intermittent, or ephemeral stretches or (b) intermittent stretches with intervening ephemeral stretches. These two classes of interrupted streams are designated, respectively, perennial interrupted streams and intermittent interrupted streams. A continuous stream does not have interruptions in space. It may be perennial, intermittent, or ephemeral, but it does not habitually have wet and dry stretches.

INSTRUMENTATION describes the type of runoff control or measuring device, number and type of precipitation gages, type of charts used, and snow courses, if used.

WATERSHED CONDITIONS describe the general use and farm, forest, or range practices before the period of record and the conservation measures, crops, yields, and general cultural operations and practices during the period of record. Rotation crops are listed in the order grown. Operations are described with commonly used agricultural terms, and only those that appear to have a significant relationship to the hydrology of the watershed are mentioned.

GENERALLY REPRESENTS gives the broad area of application for which the data of the specific watershed are recommended. The land resource areas named are those delineated on the map titled "Location of Experimental Agricultural Watersheds of the Agricultural Research Service," on pages 20 and 21. Solid circles show the approximate locations of the continuing or new watersheds; open circles show approximate locations of the discontinued studies. For a few studies the circles indicate the locations of the project headquarters instead of the watershed locations. A larger index map with more detail is included in reference 4.

For some studies, the watershed location on the maps apparently contradicts the descriptive information under Generally Represents. This is caused by the small scale of maps; it is difficult to show many small local variations in boundaries of the land resources areas. The descriptive statements, instead of the map location, should be the guide to the application of the data.

STANDARD SYMBOLS FOR TABULAR DATA

The following capital letters have been used as standard symbols throughout this publication to designate specific items or meanings:

Symbol	Meaning
E	- value is estimated or partially estimated.
H	- precipitation in form of hail.
L	- precipitation in form of sleet or freezing rain.
M	- mixed precipitation in form of rain, snow, and sleet.
N	- precipitation in form of rain and snow.
NR	- no record, when used in place of value.
P	- monthly or annual precipitation in inches.
Q	- monthly or annual runoff in inches.
RG	- rain gage, generally followed by gage number.
S	- precipitation in form of snow.
STA AV (or AVG)	- station average for period of record.
T	- trace; the value is not large enough to round to the lowest significant digit. In some arrays a trace value is indicated by all zeros, with more than one zero located to the right of the decimal.
Z	- an accurately measured total for a series of days that has been equally divided among coded days.

Time-of-day symbols or designations a, p, m, and n used in previous publications through 1961 have been discontinued, and military time (0001 through 2400) has been substituted in subsequent publications. Unless stated otherwise, time used in tables is Eastern, Central, Mountain, or Pacific standard, whichever applies to the given location.

PERSONNEL RESPONSIBLE FOR DATA PREPARATION

At each research location, many individuals have contributed to the planning and establishment of the watershed and the collection, compilation, and analysis of the data. Some of those who were directly responsible for preparing the data and information for this report are the following:

	Location
C.A. Burroughs, J.M. Sheridan, R.G. Williams, P. Yates	8, 74
A.P. Barnett, A.W. Thomas, M. Murphy	10
R.N. Weaver	16
L.A. Kramer, M. Mazzocco	25, 71
J.V. Bonta, V. Dreher	26
F.R. Crow, B. Wilson, W.R. Gwinn	37
C.W. Richardson, D.A. Wright	42
J.K. Mitchell	61
A.L. Huber, S. Stillings	68
B.B. Barnes, A.D. Nicks, R.R. Schoof	69

ADDITIONAL PUBLICATIONS

In references 1 and 4-21 (see pp. 1 and 2), citations to other publications are given at the end of the introduction for many of the locations. The publications present watershed data and interpretations of results in various journals, bulletins, and periodicals. A listing of publications resulting from related work follows. Unless otherwise noted, the publication year is 1978 or 1979. The scope of the selected publications varies from a specific study to an overall program of hydrology.

Adams, J. E., Richardson, C. W., and Burnett E.
Influence of row spacing of grain sorghum on ground cover, runoff, and erosion. Soil Sci. Soc. Am. J. 42(6): 959. 1978.

Alberts, E. E., Schuman, G. E., and Burwell, R. E.
Seasonal runoff losses of nitrogen and phosphorus from Missouri Valley Loess Watersheds. J. Environ. Qual. 7(2): 203-208. April-June 1978.

Anderson, C. L.
Hydraulic model investigation of a two-way drop inlet for floodwater retarding structure No. 3 Banklick Creek Watershed, Boone and Kenton Counties, Kentucky. U.S. Dept. Agr. ARS-NC-63: 1-20. August 1978.

Anderson, C. L.
Hydraulics of closed conduit spillways, Part XVI: Elbows and transitions for the two-way drop inlet. Adv. Agr. Technol., U.S. Dept. Agr. AAT-NC-1: 1-44. February 1979.

Baker, J. L., Laflen, J. M., and Johnson, H. P.
Effect of tillage system on runoff losses of pesticides, A rainfall simulation study. Trans. ASAE 21(5): 886-892. 1978.

Bianchi, W. C., Nightingale, H. I., and McCormick, R. L.
A case history to evaluate the performance of water-spreading projects. J. AWWA 70(3): 176-180. March 1978.

Brakensiek, D. L., Rawls, W. J., and Hamon, W. R.
Application of an infiltrometer system for describing infiltration into soils. Trans. ASAE 22(2): 320-325, 333. 1979.

Chichester, F. W., Van Keuren, R. W., and McGuinness, J. L.
Hydrology and chemical quality of flow from small pastured watersheds: II. Chemical quality. J. Environ. Qual. 8(2): 167-171. 1979.

Cooley, K. R.
Water—water anywhere—almost.
AZ Prof. Eng. 30(10): 8-9. October 1978.

Dendy, F. E., and Champion, W. A.
Sediment deposition in U.S. reservoirs. Summary of data reported through 1975. U.S. Dept. Agr. Misc. Publ. 1362: 84 pp. February 1978.

Dirksen, Christiaan, and Huber, M. J.
Soil-water flow model with two-dimensional automatic gamma ray attenuation scanner. Am. Geophys. Union 14(4): 611-614. 1978.

Dixon, R. M.
Water infiltration control in rangelands: Principles and practices. Proc. 1st Int. Rangeland Congr. 322-325. 1978.

Dixon, R. M., Simanton, J. R., and Lane, L. J.
Simple time-power functions for rainwater infiltration and runoff. Hydrology and Water Resour. in Arizona and the Southwest 8: 79-89. 1978.

Fausey, N. R.
Shallow drainage researched. Agri-Bood Mag. Drain. Contractor 4(1): 182. January 1978.

Frere, M. H.
Models for predicting water pollution from agricultural watersheds. In Modeling, Identification and Control in Environ. Systems, 501-509. 1978.

Gardner, H. R., and Woolhiser, D. A.
Hydrologic and climatic factors. In Reclamation of Drastically Disturbed Lands, Chapter 10, ASA-CSSA-SSSA, 173-191. 1978.

Gupta, S. C., Onstad, C. A., and Larson, W. E.
Predicting the effects of tillage and crop residue management on soil erosion. Soil Conserv. Soc. Am. Spec. Publ. No. 25: 7-10. 1979. Also: J. Soil Water Conserv. 34(2): 74-98. March-April 1979.

Hanson, C. L.
Simulation of arid rangeland watershed hydrology with the USDAHL-74 model. Trans. ASAE 22(2): 304-309. 1979.

Hanson, C. L., and Lewis, J. K.
Winter runoff and soil water storage as affected by range conditions. First Int. Rangeland Congr. Proc., 284-287. December 1978.

Hanson, C. L., and Woolhiser, A.
Probable effect of summer weather modification on runoff. J. Irrig. and Drain. Div. 104(1): 1-11. March 1978.

Hawkins, R. H.
Effects of rainfall intensity on runoff curve numbers. Hydrology and Water Resour. in Arizona and the Southwest 8: 53-64. 1978.

Holt, R. F., Timmons, D. R., and Burwell, R. E.
Water quality obtainable under conservation practices. In Universal Soil Loss Equation: Past, Present, and Future. Soil Sci. Soc. Am. Chapter 6: 45-53. 1979.

Idso, S. B., Jackson, R. D., and Reginato, R. J.
Extending the "degree-day" concept of plant phenological development to include water stress effects. Ecology 59(3): 431-433. 1978.

Idso, S. B., Jackson, R. D., and Reginato, R. J.
Remote sensing for agricultural water management and crop yield prediction. Agr. Water Manage. 1: 299-310. 1978.

Jackson, R. D.
Plant temperature—An old new tool for water management. AZ Prof. Eng. 30(11) 9-10. November 1978.

Jensen, M. E., and Wright, J. L.
The role of evapotranspiration models in irrigation scheduling. Trans. ASAE 21(1): 82-87. 1978.

Johnson, C. W., and Smith, J. P.
Sediment characteristics and transport from northwest rangeland watersheds. Trans. ASAE 21(6): 1157-1162, 1168. 1978.

Johnson, H. P., Baker, J. L., Shrader, W. D., and Laflen, J. M.
Tillage system effects on sediment and nutrients in runoff from small watersheds. Trans. ASAE 22(5): 1110-1114. September-October 1979.

Lane, L. J., Diskin, M. H., Wallace, D. E., and Dixon, R. M.
Partial area response on small semiarid watersheds. Water Resour. Bull., Am. Water Resour. Assoc. 14(5): 1143-1158. October 1978.

Langdale, G. W., Barnett, A. P., and Box, J. E., Jr.
Conservation tillage systems and their control of water erosion. First Ann. Southeastern No-Till Systems Conf. Proc. 5: 20-29. 1978.

Langdale, G. W., Barnett, A. P., and Leonard, R. A., and Fleming, W. G.
Reduction of soil erosion by the no-till system in the Southern Piedmont. Trans. ASAE 22(1): 82-86, 92. 1979.

Langdale, G. W., Leonard, R. A., Fleming, W. G., and Jackson, W. A.
Nitrogen and chloride movement in small upland Piedmont watersheds: Parts I and II. J. Environ. Qual. 8(1): 49-63. 1979.

Leonard, R. A., Langdale, G. W., and Fleming, W. G.
Herbicide runoff from upland Piedmont watersheds - data and implications for modeling pesticide transport. J. Environ. Qual. 8(2): 223-228. 1979.

Lindstrom, M. J., Gupta, S. C., Onstad, C. A., Larson, W. E., and Holt, R. F.
Tillage and crop residue effects on soil erosion in the corn belt. Soil Conserv. Soc. Am. Spec. Publ. No. 25: 10-12. 1979. Also: J. Soil Water Conserv. 34(2): 80-82. March-April 1979.

McCuen, R. H., and Rawls, W. J.
Classification of evaluation of flood flow frequency estimation techniques. Water Resour. Bull. 15(1): 88-93. February 1979.

Menzel, R. G., Rhoades, E. D., Olness, A. E., and Smith, S. J.
Variability of annual nutrient and sediment discharges in runoff from Oklahoma cropland and rangeland. J. Environ. Qual. 7(3): 401-405. July-September 1978.

Meyer, L. D., and Harmon, W. C.
Multiple-intensity rainfall simulator for erosion research on row sideslopes. Trans. ASAE 22(1): 100-103. 1979.

Naney, J. W., and Thompson, T. B.
Estimating seepage from a reservoir from change in hydraulic head. J. Hydrol. 40: 201-213. 1979.

Naney, J. W., DeCoursey, D. G., Barnes, B. B., and Gander, G. A.
Predicting base flow using hydrogeologic parameters. 14(3) 640-650. June 1978.

Onstad, C. A., and Otterby, M. A.
Crop residue effects on runoff. Soil Conserv. Soc. Am. Spec. Publ. No. 25: 24-26. 1979. Also: J. Soil Water Conserv. 34(2): 96-98. March-April 1979.

Onstad, C. A., Young, R. A., Otterby, M. A., and Holt, R. F.
Sediment yield modeling for 208 planning. In Universal Soil Loss Equation: Past, Present, and Future. Soil Sci. Soc. Am. Chapter 4, 25-32. 1979.

Osborn, H. B., Koehler, R. B., and Simanton, J. R.
Winter precipitation on a Southeastern Arizona rangeland watershed. Proc. 1979 Meet. Am. Water Resour. Assoc. AZ Sect., AZ Acad. of Sci. 9: 15-20. December 1979.

Pionke, H. B., and Kleckner, R. L.
Hydrologic data. Am. Soc. Agron. Monogr. - Planning the Uses and Management of Land 21: 117-141. 1979.

Renard, K. G.
The Southwest Rangeland Watershed Research Center. Agr. Eng. 59(9): 19-21. September 1978.

Renard, K. G., Heinemann, H. G., and Williams, J. R.
Comment on "Measurements of sediment control impacts on agriculture" by James C. Wade and Earl O. Heady. Water Resour. Res. 15(5): 1278-1280. October 1979.

Replogle, J. A., Riekerk, Hans, and Swindel, B. F.
Flow metering flumes monitor water in Coastal Fores Watershed. Water and Sewage Works 125(7): 64-67. July 1978.

Richardson, C. W.
Generation of daily precipitation over an area. Water Resour. Bull., Am. Water Resour. Assoc. 14(5): 1035-1047. October 1978.

Richardson, C. W.
Infiltration by hydrograph analysis. In Infiltration Research Planning Workshop, Part I. State of the Art Rept., U.S. Dept. Agr. ARM-NC-4: 61-62. April 1979.

Richardson, C. W., Burnett, E., and Bovey, R. W.
Hydrologic effects of brush control on rangelands. Trans. ASAE 22(2): 315-319. 1979.

Richardson, C. W., Price, J. D., and Burnett, E.
Arsenic concentrations in surface runoff from small watersheds in Texas. J. Environ. Qual. 7(2): 189-192. 1978.

Schiebe, F. R., and Dendy, F. E.
Control of water residence time in small reservoirs. Trans. ASAE 21(4): 666-670. 1978.

Schreiber, H. A., and Frasier, G. W.
Increasing rangeland forage production by water harvesting. J. Range Manage. 31(1): 37-40. January 1978.

Schreiber, H. A., and Renard, R. G.
Runoff water quality from varying land uses in Southeastern Arizona. J. Range Manage. 31(4): 274-279. July 1978.

Simanton, J. R., Osborn, H. B., and Renard, K. G.
Hydrologic effects of rangeland renovation. Proc. 1st Int. Rangeland Congr., 331-334. December 1978.

Smith, C. N., Bailey, G. W., Leonard, R. A., and Langdale, G. W.
Transport of agricultural chemicals from small upland Piedmont watersheds. Environ. Res. Lab., U.S. Environ. Protection Agency EPA-600/3-78-056, 364 pp. May 1978.

Smith, R. E., and Parlange, J. Y.
A parameter-efficient hydrologic infiltration model. Water Resour. Res. 14(3): 533-538. June 1978.

Snyder, W. M., and Mills, W. C.
Comparison of the two- and three-parameter log normal distributions used in streamflow synthesis. Water Resour. Res. 15(2): 510. April 1979.

Thomas, A. W.
Multi-dimensional flow—Its quantification on large and small scale. In Infiltration Research Planning Workshop, Part I. State of the Art Rept., U.S. Dept. Agr. ARM-NC-4: 93-97. April 1979.

USDA ARM-W-10
Proc. Rainfall Simulator Workshop, Tucson, AZ, 1-172. July 1979.

VanKeuren, R. W., McGuinness, J. L., and Chichester, F. W.
Hydrology and chemical quality of flow from small pastured watersheds: I. Hydrology. J. Environ. Qual. 8(2): 162-166. 1979.

Williams, J. R., and Hann, R. W., Jr.
Optimal operation of large agricultural watersheds with water quality constraints. Texas Water Resource Institute Tech. Release No. 96, 152 pp. April 1978.

Wischmeier, W. H., and Smith, D. D.
Predicting rainfall erosion losses. A guide to conservation planning. U.S. Dept. Agr. Handbook 537: 1-58. 1978.

Woolhiser, D. A., and Pegram, G. G. S.
Maximum likeliness estimation of Fourier coefficients to describe seasonal variations of parameters in stochastic daily precipitation models. J. Applied Meteorol. 18(1): 34-42. January 1979.

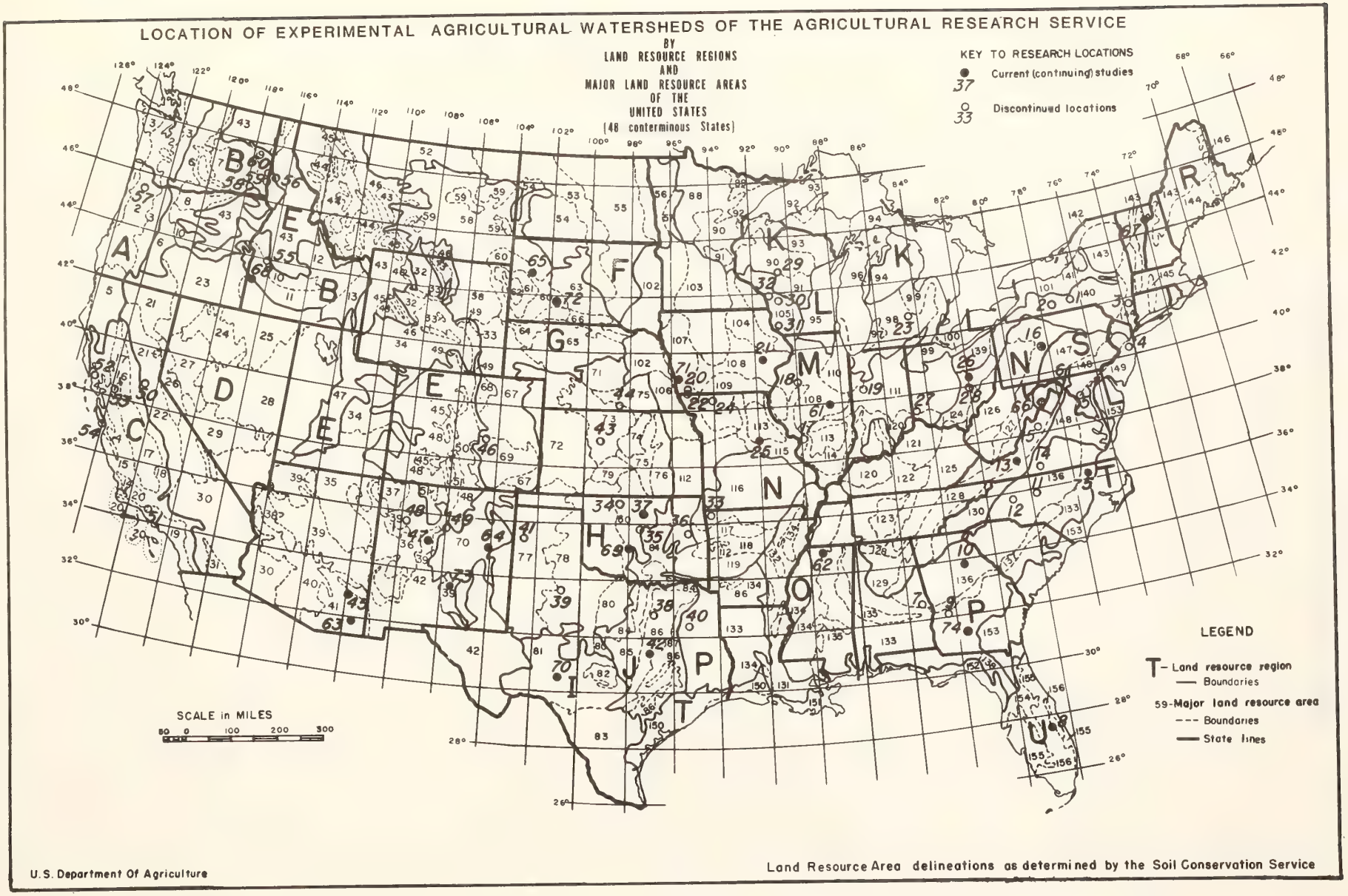
Woolhiser, D. A., and Renard, K. G.
Stochastic aspects of watershed sediment yield. Proc. Spec. Conf. on Verification of Mathematical and Physical Models, pp. 561-567. August 1978.

Wright, J. L., and Jensen, M. E.
Development and evaluation of evapotranspiration models for irrigation scheduling. Trans. ASAE 21(2): 88-91. 1978.

Wu, Y. H., Yevjevich, V., and Woolhiser, D. A.
Effects of surface roughness and its spatial distribution on runoff hydrographs. Colorado State Univ., Ft. Collins, CO, pp. 1-47. October 1978.

Zuzel, J. F., and Cox, L. M.
A review of operational water supply forecasting techniques in area of seasonal snow cover. 46th Ann. Meet. Western Snow Conf., pp. 69-77. 1978.

[Pages 20 through 22]


LOCATION OF EXPERIMENTAL AGRICULTURAL WATERSHEDS OF THE AGRICULTURAL RESEARCH SERVICE
BY
LAND RESOURCE REGIONS
AND
MAJOR LAND RESOURCE AREAS
OF THE
UNITED STATES
(48 conterminous States)
KEY TO RESEARCH LOCATIONS
37 Current (continuing) studies
33 Discontinued locations
SCALE in MILES
50 0 100 200 300
LEGEND
T- Land resource region
Boundaries
59-Major land resource area
Boundaries
State lines
U.S. Department Of Agriculture
Land Resource Area delineations as determined by the Soil Conservation Service

LEGEND FOR LAND RESOURCE REGIONS AND MAJOR LAND RESOURCE AREAS

(of the 48 conterminous States)

A NORTHWESTERN FOREST, FORAGE, AND SPECIALTY CROP REGION

1 Northern Pacific Coast Range and Valleys
2 Willamette and Puget Sound Valleys
3 Olympic and Western Slope Cascade Mountains
4 California Coastal Redwood Belt
5 Siskiyou-Trinity Area

B NORTHWESTERN WHEAT AND RANGE REGION

6 Eastern Slope Cascade Mountains
7 Columbia Basin
8 Columbia Plateau
9 Palouse and Nez-Perce Prairies
10 Upper Snake River Lava Plains and Hills
11 Snake River Plains
12 Lost River Valleys and Mountains
13 Eastern Idaho Plateaus

C CALIFORNIA SUBTROPICAL FRUIT, TRUCK, AND SPECIALTY CROP REGION

14 Central California Valleys
15 Central California Coast Range
16 California Delta
17 Sacramento and San Joaquin Valleys
18 Sierra Nevada Foothills
19 Southern California Coastal Plain
20 Southern California Mountains

D WESTERN RANGE AND IRRIGATED REGION

21 Klamath and Shasta Valleys and Basins
22 Sierra Nevada Range
23 Malheur High Plateau
24 Humboldt Area
25 Owyhee High Plateau
26 Carson Basin and Mountains
27 Fallon-Lovelock Area
28 Great Salt Lake Area
29 Southern Nevada Basin and Range
30 Sonoran Basin and Range
31 Imperial Valley
32 Northern Intermountain Desertic Basins
33 Semiarid Rocky Mountains
34 Central Desertic Basins, Mountains and Plateaus
49 (See E below)
35 Colorado and Green Rivers Plateaus
36 New Mexico and Arizona Plateaus and Mesas
37 San Juan River Valley Mesas and Plateaus
38 Black, Hualpai, and Cerbat Mountains
39 Arizona and New Mexico Mountains
40 Central Arizona Basin and Range
41 Southeastern Arizona Basin and Range
42 Southern Desertic Basins, Plains and Mountains

E ROCKY MOUNTAIN RANGE AND FOREST REGION

43 Northern Rocky Mountains
44 Northern Rocky Mountain Valleys
45 Alpine Meadows and Rockland
46 Northern Rocky Mountain Foothills
47 Wasatch and Uinta Mountains
48 Southern Rocky Mountains
49 Southern Rocky Mountain Foothills
50 San Luis Valley
51 High Intermountain Valleys

F NORTHERN GREAT PLAINS SPRING WHEAT REGION

52 Brown Glaciated Plain
53 Dark Brown Glaciated Plain
54 Rolling Soft Shale Plain
55 Black Glaciated Plains
56 Red River Valley of the North
57 Western Minnesota Forest-Prairie Transition

G WESTERN GREAT PLAINS RANGE AND IRRIGATED REGION

58 Northern Rolling High Plains
59 Northern Smooth High Plains
60 Pierre Shale Plains and Badlands
61 Black Hills Footslopes
62 Black Hills
63 Rolling Pierre Shale Plains
64 Mixed Sandy and Silty Tableland
65 Nebraska Sand Hills
66 Dakota-Nebraska Eroded Tableland
67 Central High Plains
68 Irrigated Upper Platte River Valley
69 Upper Arkansas Valley Rolling Plains
70 Pecos-Canadian Plains and Valleys

H CENTRAL GREAT PLAINS WINTER WHEAT AND RANGE REGION

71 Central Nebraska Loess Hills
72 Central High Tableland
73 Rolling Plains and Breaks
74 Central Kansas Sandstone Hills
75 Central Loess Plains
76 Bluestem Hills
77 Southern High Plains
78 Central Rolling Red Plains
79 Great Bend Sand Plains
80 Central Rolling Red Prairies

I SOUTHWESTERN PLATEAUS AND PLAINS, RANGE AND COTTON REGION

81 Edwards Plateau
82 Texas Central Basin
83 Rio Grande Plain

J SOUTHWESTERN PRAIRIES, COTTON, AND FORAGE REGION

84 Cross Timbers
85 Grand Prairie
86 Texas Blackland Prairie
87 Texas Claypan Area

K NORTHERN LAKE STATES FOREST AND FORAGE REGION

88 Northern Minnesota Swamps and Lakes
89 Minnesota Rockland Hills
90 Central Wisconsin and Minnesota Thin Loess and Till
91 Wisconsin and Minnesota Sandy Outwash
92 Superior Lake Plain
93 Northern Michigan and Wisconsin Stony, Sandy, and Rocky Plains and Hills
94 Northern Michigan Sandy Drift

L LAKE STATES FRUIT, TRUCK, AND DAIRY REGION

95 Southeastern Wisconsin Drift Plain
96 Western Michigan Fruit Belt
97 Southwestern Michigan Fruit and Truck Belt
98 Southern Michigan Drift Plain
99 Erie-Huron Lake Plain
100 Erie Fruit and Truck Area
101 Ontario-Mohawk Plain

M CENTRAL FEED GRAINS AND LIVESTOCK REGION

102 Loess, Till, and Sandy Prairies
103 Central Iowa and Minnesota Till Prairies
104 Eastern Iowa and Minnesota Till Prairies

(continued)

105 Northern Mississippi Valley Loess Hills
106 Nebraska and Kansas Loess-Drift Hills
107 Iowa and Missouri Deep Loess Hills
108 Illinois and Iowa Deep Loess and Drift
109 Iowa and Missouri Heavy Till Plain
110 Northern Illinois and Indiana Heavy Till Plain
111 Indiana and Ohio Till Plain
112 Cherokee Prairies
113 Central Claypan Areas
114 Southern Illinois and Indiana Thin Loess and Till Plain
115 Central Mississippi Valley Wooded Slopes

N EAST AND CENTRAL GENERAL FARMING AND FOREST REGION

112 (See M Above)
116 Ozark Highland
117 Boston Mountains
118 Arkansas Valley and Ridges
119 Ouachita Mountains
120 Kentucky and Indiana Sandstone and Shale Hills and Valleys
121 Kentucky Bluegrass
122 Highland Rim and Pennyroyal
123 Nashville Basin
124 Western Allegheny Plateau
125 Cumberland Plateau and Mountains
126 Central Allegheny Plateau
127 Eastern Allegheny Plateau and Mountains
128 Southern Appalachian Ridges and Valleys
129 Sand Mountain
130 Blue Ridge

O MISSISSIPPI DELTA COTTON AND FEED GRAINS REGION

131 Southern Mississippi Valley Alluvium
132 Eastern Arkansas Prairies
134 (See P below)

P SOUTH ATLANTIC AND GULF SLOPE CASH CROP, FOREST, AND LIVESTOCK REGION

86 (See J Above)
133 Southern Coastal Plain
134 Southern Mississippi Valley Silty Uplands
135 Alabama and Mississippi Blackland Prairies
136 Southern Piedmont
137 Carolina and Georgia Sandhills
138 North Central Florida Ridge

R NORTHEASTERN FORAGE AND FOREST REGION

139 Eastern Ohio Till Plain
140 Glaciated Allegheny Plateau and Catskill Mountains
141 Tughill Plateau
142 St. Lawrence-Champlain Plain
143 Northeastern Mountains
144 New England and Eastern New York Upland
145 Connecticut Valley
146 Aroostook Area

S NORTHERN ATLANTIC SLOPE TRUCK, FRUIT, AND POULTRY REGION

147 Northern Appalachian Ridges and Valleys
148 Northern Piedmont
149 Northern Coastal Plain

T ATLANTIC AND GULF COAST LOWLANDS, FOREST AND TRUCK CROP REGION

150 Gulf Coast Prairies
151 Gulf Coast Marsh
152 Gulf Coast Flatwoods
153 Atlantic Coast Flatwoods

U FLORIDA SUBTROPICAL FRUIT, TRUCK CROP, AND RANGE REGION

154 South Central Florida Ridge
155 Southern Florida Flatwoods
156 Florida Everglades and Associated Areas

Compiled by Morris E. Austin
Information from SCS, State, and other Offices

Table 3.--Experimental agricultural watersheds, listed by State, locality, and location number, under study during 1978-79 and included in this publication

State	Locality	Assigned location number	Major land resource area[1]	Watershed units	Events reported	Pages
Florida	Vero Beach	08	U-155	3	0	24-33
Georgia	Tifton	74	P-133	8	16	562-613
	Watkinsville	10	P-136	1	2	34-39
Idaho	Reynolds	68	D-23, D-25	6	12	285-333
Illinois	Monticello	61	M-108	2	4	275-284
Iowa	Treynor	71	M-107	4	4	543-561
Missouri	McCredie	25	M-113	1	0	47-50
Ohio	Coshocton	26	N-124	13	11	51-131
Oklahoma[2]	Chickasha	69	H-78, H-80, J-84	10	23	334-542
	Stillwater	37	H-80	2	4	132-142
Pennsylvania	Klingerstown	16	S-147	1	2	40-46
Texas	Riesel (Waco)	42	J-86	21	42	143-274

[1]See location map (p. 18) and legend (p. 19).
[2]Includes data for 7 watersheds (69.030-026) for 10 years (1968-77) not previously published.

Table 4.--Watersheds, listed by State and locality, for which data were previously included but are not in this publication[1]

State	Locality	Major land resource area[2]	Discontinued watershed units		
			Number	Record period	Assigned location and watershed number
Arizona[3]	Tombstone	D-41	8	1954-	63,001-.004,.008, .011,.015,.103
Idaho	Reynolds	D-23, D-25	1	1967-1977	68.011
New Mexico[3]	Santa Rosa	G-70	1	1955-1979	64.001
Oklahoma	Chickasha	H-78, H-80 J-84	15	1961-1977	69.001,.007
				1962-1977	69.005,.010,.011,.013
				1963-1977	69.014,.016,.017
				1965-1977	69.019
				1966-1977	69.042-.045
				1967-1977	69.027
Texas	Riesel (Waco)	J-86	1	1939-1975	42.015

[1]For discontinued watershed studies prior to 1978, see tables in previous publications.
[2]See location map (p. 18) and legend (p. 19).
[3]-- a not available for this publication; may be included in future references.

WATERSHED DATA BY LOCATION NUMBER

AND

DECIMAL PAGING

[8.002-1 TO 74.009-6, A TOTAL OF 590 DATA SHEETS]

For location by States and Land Resource Areas

and Regions, see U.S. Index Map, page 20.

LOCATION: Okeechobee County, Florida. Runoff gaging site is about 3 mi. N. of City of Okeechobee on Cemetery Road. Taylor Creek empties into Lake Okeechobee. Lat. 27 deg. 17 min. 03 sec. N.; Long. 80 deg. 49 min. 21 sec. W.

AREA: 66880.00 acres 104.50 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-2

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	1.80	1.95	2.86	1.31	4.22	7.88	9.23	6.53	7.57	1.97	1.42	4.41	51.15
1978	Q	0.286	0.211	0.929	0.118	0.128	0.289	2.102	2.297	1.497	0.126	0.123	0.475	8.582
	P	4.78	0.68	1.97	2.21	9.59	4.01	5.54	6.06	18.60	0.58	1.08	1.82	56.92
1979	Q	2.157	0.079	0.133	0.021	1.281	0.222	0.404	0.374	13.170	0.615	0.057	0.064	18.576
STA AV	P	1.87	2.18	2.85	1.81	5.06	8.13	6.58	6.72	6.58	3.60	1.48	1.72	48.57
	Q	0.489	0.369	0.844	0.164	0.396	1.802	1.997	1.974	2.801	1.638	1.509	0.250	14.231

Watershed Conditions: Range & forest, 39%; improved pasture, 47%; cropland, 4%; miscellaneous, 10%.
Maps: Topographic/Hydrologic (revised) - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1971, USDA Misc. Pub. 1383, p. 08.002-3.
Precipitation: Records began July 1955. Thiessen weighted using 7 gages through September 1978, and 8 gages beginning October 1978.
Runoff: Records began July 1955. Data furnished by U.S. Geological Survey.
Long-Term Precipitation: National Weather Service records at Okeechobee Hurricane Gate 6, Florida (gage discontinued Nov. 1971, afterwards use Okeechobee 9 SW).

1978 DAILY AIR TEMPERATURE (DEGREES F) VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-2

Day	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min
1	77	60	70	53	78	58	78	54	86	66	92	68	92	73	87	71	88	73	87	72	82	62	75	62
2	66	48	78	58	75	66	82	53	90	66	90	73	90	74	85	70	88	72	87	75	81	56	84	66
3	58	50	73	51	79	60	83	56	91	74	91	72	92	75	88	74	92	74	88	74	76	54	85	69
4	71	51	64	49	64	42	84	59	80	73	90	72	92	73	88	72	90	71	89	73	78	48	86	72
5	77	54	65	39	64	43	85	57	83	69	89	72	90	72	87	73	89	71	91	72	82	56	85	62
6	74	53	60	32	76	55	83	62	86	70	90	71	89	73	86	74	89	73	88	69	82	62	86	68
7	78	58	58	43	80	62	84	60	88	72	90	75	89	73	88	74	90	74	83	62	77	67	87	66
8	76	55	68	59	82	61	87	58	89	73	92	74	90	72	88	73	90	74	82	65	82	67	86	65
9	57	33	65	46	68	55	87	54	91	70	93	74	91	73	89	73	92	75	84	72	80	70	86	55
10	54	35	61	39	63	44	84	60	89	68	94	75	90	72	90	74	90	72	84	67	84	70	61	59
11	62	43	65	39	72	51	85	66	84	61	91	75	90	70	91	74	90	74	86	70	84	64	76	54
12	69	57	72	50	75	54	88	71	86	67	86	74	88	72	91	73	89	73	82	70	84	62	64	48
13	69	47	79	56	82	61	86	72	89	72	91	68	90	73	92	73	89	72	86	73	84	67	74	52
14	60	36	74	43	86	69	85	65	85	58	91	70	89	72	90	74	90	72	79	64	81	64	73	52
15	50	32	69	54	84	68	81	54	84	64	88	70	90	73	90	74	87	72	78	58	84	70	79	54
16	68	54	74	60	85	53	85	58	89	64	88	70	90	75	90	75	88	71	81	61	84	66	81	58
17	76	56	68	60	61	46	84	64	92	69	85	70	89	74	93	74	86	70	81	62	84	61	78	47
18	72	60	72	62	67	46	84	70	87	68	85	68	90	74	92	73	88	74	81	65	84	64	76	50
19	79	58	66	51	70	54	86	70	88	66	88	71	87	72	92	71	88	72	77	67	84	66	78	54
20	64	46	54	51	76	62	86	55	85	67	88	72	89	74	90	73	89	69	84	60	80	69	79	61
21	54	43	60	40	83	58	81	54	88	61	83	72	90	74	91	76	90	70	83	64	82	67	82	67
22	69	55	53	30	79	57	84	58	87	56	87	73	88	74	91	75	90	72	82	66	84	62	75	62
23	74	60	61	43	82	58	81	66	90	64	85	75	90	74	89	74	86	72	85	67	84	62	78	70
24	76	66	65	35	80	59	78	62	88	67	85	72	90	74	88	73	88	72	84	64	82	62	84	64
25	81	51	68	44	82	59	86	64	92	68	90	74	91	69	90	72	86	71	84	66	80	54	72	57
26	66	39	75	48	84	55	76	53	88	69	88	73	90	73	92	72	88	71	85	67	82	61	78	58
27	55	37	74	53	73	53	73	49	85	70	90	72	88	69	91	72	88	72	87	71	83	63	69	58
28	57	33	78	62	72	59	78	50	86	72	89	72	90	74	92	73	87	69	85	68	86	66	67	64
29	58	31			78	56	80	54	82	67	90	73	91	74	92	73	88	72	84	69	86	68	76	66
30	58	36			81	58	82	62	88	64	92	75	89	74	91	73	90	72	85	71	86	68	77	57
31	68	46			77	52			91	68			89	71	92	74			85	66			78	65
AV.	67	48	67	48	76	56	83	60	87	67	89	72	90	73	90	73	89	72	84	67	82	63	78	60
MEAN	57.5		57.9		66.0		71.3		77.3		80.6		81.4		81.6		80.4		75.8		72.9		69.0	
STA AV	72	50	74	50	78	55	83	61	88	66	89	71	92	74	92	74	91	73	87	66	79	56	74	52

Station Averages: 23 yr beginning July 1, 1956. Data from R-3, readings taken daily.

1979 DAILY AIR TEMPERATURE (DEGREES F) VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-2

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	83	70	56	34	80	58	83	63	78	66	89	72	92	72	89	72	88	74	86	69	84	72	60	50
2	76	32	62	39	80	57	85	64	84	65	90	71	93	75	91	74	88	72	86	66	84	67	68	48
3	51	37	73	49	81	66	85	65	85	65	89	72	93	73	93	72	82	70	88	68	82	60	71	56
4	68	45	72	56	83	67	87	66	89	72	90	71	90	71	92	69	90	77	89	71	80	61	73	54
5	72	53	70	58	81	63	88	59	90	67	91	73	93	74	90	71	90	74	85	61	81	62	77	64
6	77	56	81	68	75	54	82	46	89	72	93	74	93	73	88	74	91	72	82	62	81	62	78	66
7	79	62	74	53	70	49	82	54	77	71	90	73	89	74	88	72	89	74	84	60	81	64	77	66
8	72	44	65	42	71	48	84	61	85	72	89	72	91	74	86	70	91	72	85	63	80	58	71	61
9	65	45	68	39	76	52	86	69	87	70	88	70	93	74	87	73	91	74	86	64	84	66	77	57
10	70	52	68	44	81	60	88	63	86	71	87	68	90	75	88	68	84	72	85	66	86	68	77	59
11	74	66	71	44	72	47	86	64	88	70	88	70	91	77	85	70	87	73	87	65	86	69	78	58
12	72	66	74	43	73	53	87	64	87	69	87	72	92	74	88	68	86	75	84	70	81	69	80	60
13	78	64	72	45	78	55	90	72	87	71	87	71	95	74	91	72	85	74	80	69	74	53	84	63
14	80	41	76	48	81	58	88	70	85	70	86	73	93	75	90	72	84	73	84	72	71	53	80	62
15	69	52	78	51	75	53	88	59	83	70	90	72	93	75	88	72	88	73	83	73	73	50	76	62
16	75	54	79	52	74	56	86	51	84	69	88	70	90	73	90	72	89	72	85	71	71	42	73	60
17	78	54	78	63	74	56	87	54	80	65	89	70	91	74	89	71	89	74	82	71	75	56	66	47
18	77	54	82	58	76	50	86	57	81	58	92	69	91	74	90	72	87	71	88	70	77	56	69	46
19	77	65	63	56	79	53	86	62	81	57	91	67	93	75	89	73	86	72	88	68	80	57	71	44
20	78	61	77	61	82	56	82	64	84	65	88	71	89	74	91	73	93	72	86	70	79	56	71	48
21	72	53	81	69	84	55	77	55	87	65	88	70	90	75	91	72	90	74	88	65	79	59	73	51
22	61	46	84	68	82	66	82	62	88	67	90	68	88	75	90	71	90	75	87	67	80	56	73	51
23	68	63	86	70	76	70	82	70	88	73	89	69	88	73	86	71	93	72	86	66	80	60	77	54
24	71	39	84	70	80	59	74	70	86	70	92	73	87	74	88	72	89	72	85	65	81	62	78	56
25	57	45	78	54	74	44	80	65	85	58	92	71	90	72	88	72	89	73	82	61	78	69	66	42
26	66	54	62	41	71	44	85	64	86	56	93	73	90	72	88	72	86	73	81	58	80	58	63	37
27	70	53	64	44	78	50	86	67	86	64	88	72	91	71	86	71	87	73	79	60	77	71	70	37
28	64	39	73	54	77	53	88	60	90	70	87	71	92	75	88	72	87	73	79	58	83	60	71	46
29	63	42			78	56	88	68	89	72	89	71	93	73	90	73	85	71	83	62	67	38	74	47
30	70	54			81	59	80	69	88	73	92	72	93	74	88	72	84	71	84	66	62	41	76	56
31	76	35			82	62			89	73			91	72	86	72			84	68			67	46
AV.	71	52	73	53	78	56	85	63	86	68	89	71	91	74	89	72	88	73	85	66	79	59	73	53
MEAN	61.5		63.0		66.7		73.6		76.6		80.3		82.5		80.2		80.5		75.3		68.9		63.3	
STA AV	72	50	74	50	78	55	83	61	88	66	89	71	92	74	92	74	91	73	87	66	79	56	74	52

Station Averages: 24 yr beginning July 1, 1956. Data from R-3, readings taken daily.

1978 DAILY PRECIPITATION (INCHES) VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.09	0.07	0.12E	0.32	0.02E	0.0	0.68
2	0.0	0.01	0.0	0.0	0.92	0.0	0.10	0.10	0.27	0.61E	0.0	0.04
3	0.05	0.0	0.86	0.0	0.16	0.0	0.28	0.70E	0.13	0.02E	0.0	0.0
4	0.0	0.05	0.0	0.0	0.11E	1.32	0.40	0.01E	0.17	0.0	0.0	0.01
5	0.0	0.0	0.0	0.0	0.09E	0.76E	0.0	0.20E	0.37	0.20	0.0	0.05
6	0.0	0.0	0.0	0.0	1.60E	1.28E	0.26	0.26E	0.06	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0 E	0.02E	0.18	0.03E	0.0	0.0	1.11	0.0
8	0.36	0.42	0.02	0.0	0.0 E	0.0 E	0.01	0.44E	0.0	0.0	0.03	0.0
9	0.05	0.28	1.94E	0.0	0.01E	0.49	0.09	0.01	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0 E	0.0	0.0	0.03	0.83	0.37	0.87	0.05	0.0	0.0
11	0.0	0.0	0.0 E	0.0	0.0	0.15	0.23	0.0	1.31E	0.40	0.0	0.0
12	0.0	0.0	0.0 E	0.0	0.0	0.41	0.01	0.32	0.11E	0.01	0.0	0.0
13	0.41	0.0	0.0 E	0.14	0.0	0.0	0.0	0.02	0.0	0.01	0.0	0.0
14	0.0	0.0	0.01E	0.0	0.0	0.0	0.48	0.81	0.0	0.02	0.06	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.07	0.29	0.0	0.0	0.0
16	0.0	0.24	0.0	0.0	0.0	0.0	0.06	0.18	0.01	0.0	0.0	0.0
17	0.33	0.04E	0.0	0.0	0.0	0.0	0.52	0.0	0.20E	0.0	0.0	0.0
18	0.03	0.54E	0.0	0.43	0.45	0.0	0.08	0.25	0.02E	0.0	0.0 E	0.0
19	0.53	0.0 E	0.0	0.14E	0.01	0.01	1.61E	0.73	0.12E	0.07	0.0 E	0.0
20	0.0	0.27E	0.0	0.0 E	0.01	0.0	0.04E	0.05	0.0	0.0	0.19E	0.0
21	0.0	0.10E	0.03	0.0 E	0.0	0.39	0.0 E	0.0	0.0	0.0	0.01E	0.01
22	0.0	0.0	0.0	0.0 E	0.0	1.73	0.29E	0.01	0.30	0.14	0.0	0.0
23	0.0	0.0	0.0	0.0 E	0.0	0.54	0.02E	0.53	0.01	0.0	0.0	0.03
24	0.0	0.0	0.0	0.60E	0.0	0.0	0.01E	0.10	1.52	0.0	0.0	0.45
25	0.0	0.0	0.0	0.0 E	0.0	0.02	0.16E	0.0	0.05	0.0	0.0	0.0 E
26	0.04	0.0	0.0	0.0	0.17	0.01	0.01	0.0 E	0.0	0.0	0.0	0.0 E
27	0.0	0.0	0.0	0.0	0.02	0.20	1.68	0.0 E	0.28	0.0	0.0	0.87E
28	0.0	0.0	0.0	0.0	0.12	0.17	0.49	0.0 E	0.0	0.21	0.0	2.14E
29	0.0		0.0	0.0	0.54	0.23	0.19	0.45E	0.0 E	0.18	0.02	0.11E
30	0.0		0.0	0.0	0.01	0.03	0.13	0.75	1.16E	0.03	0.0	0.02E
31	0.0		0.0		0.0		0.99E	0.02		0.0		0.0 E
TOTAL	1.80	1.95	2.86	1.31	4.22	7.88	9.23	6.53	7.57	1.97	1.42	4.41
STA AV	1.75	2.24	2.89	1.79	4.87	8.30	6.62	6.74	6.10	3.72	1.50	1.71

Gaging: Thiesser weighted average of 7 rain gages through September 1978, and 8 rain gages beginning October 1978.
Station Averages: 24 yr beginning July 1, 1955.

1979 DAILY PRECIPITATION (INCHES) VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0 E	0.0	0.0	0.0	0.06	0.0 E	0.01E	0.03E	0.02	0.17E	0.0	0.0
2	0.52E	0.0	0.0	0.0	0.0	0.0 E	0.0 E	0.17E	0.18	0.01E	0.06	0.0
3	0.0	0.0	0.0	0.0	0.0	0.58E	0.12E	0.10E	5.34E	0.0	0.01	0.01
4	0.0	0.0	0.79	0.0	0.0	0.0 E	0.0 E	0.37E	0.54E	0.0	0.0	0.0
5	0.0	0.0	0.01	0.0	0.04	0.0	0.0 E	0.16E	0.07E	0.0	0.0	0.0
6	0.0	0.0	1.01	0.0	0.01	0.0	0.06E	0.10E	0.0	0.0	0.0	1.05
7	0.0	0.07	0.07	0.0	0.88	0.0	0.68E	0.19E	0.0	0.0	0.0	0.53
8	0.40	0.0	0.02	0.0	2.09	0.0	1.17E	0.03	0.11	0.0	0.0	0.16
9	0.0	0.0	0.0	0.0	1.11	0.0	0.17E	0.32	2.15	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.77E	0.0	0.12E	1.34	0.17	0.0	0.0	0.03
11	0.0	0.0	0.0	0.0	0.02E	0.0	0.0 E	0.32	0.84	0.0	0.20	0.01
12	1.69E	0.0	0.0	0.0	0.0 E	0.0	0.04E	0.26	1.64	0.0	0.16E	0.0
13	0.49E	0.0	0.0	0.0	0.03E	0.02	1.41E	0.0	0.78	0.08	0.29E	0.0
14	0.03E	0.0	0.0	0.0	1.53E	0.05E	0.10E	0.02	0.19E	0.02	0.0	0.0
15	0.0 E	0.0	0.0	0.0	0.03E	0.21E	0.31E	0.04	0.57E	0.01	0.0	0.0
16	0.0 E	0.0	0.0	0.0	0.0 E	0.10E	0.06E	0.06	0.0 E	0.14	0.0	0.0
17	0.0	0.0	0.0	0.0	0.18E	0.0 E	0.0 E	0.31	0.11E	0.08	0.0	0.02
18	0.0	0.0	0.0	0.0	0.0 E	0.0 E	0.0 E	0.02	0.0 E	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0 E	0.0 E	0.0 E	0.0	0.0 E	0.0	0.0	0.0
20	0.02	0.0	0.0	0.0	0.0 E	0.0	0.07E	0.0	0.0 E	0.01E	0.0	0.0
21	0.65	0.0	0.0	0.0	0.0 E	0.0	0.27E	0.0	1.64E	0.0 E	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0 E	0.01	0.51E	0.01	0.23E	0.06E	0.0	0.0
23	0.0	0.08E	0.0	0.0	0.73E	0.15	0.33E	0.32	0.47E	0.0 E	0.0	0.0
24	0.73	0.0 E	0.07	0.87	1.31E	0.01	0.0 E	0.04	0.26E	0.0	0.0	0.01
25	0.0	0.53E	0.0	0.55	0.03E	0.0	0.0 E	0.0	0.12E	0.0	0.29	0.0
26	0.0	0.0 E	0.0	0.25	0.0 E	1.30E	0.0 E	0.06	0.24E	0.0	0.01	0.0
27	0.25	0.0 E	0.0	0.0	0.02E	0.50E	0.0 E	0.18	0.21E	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.20E	0.14E	0.0 E	0.0	0.10E	0.0	0.06	0.0
29	0.0		0.0	0.0	0.06E	0.71E	0.10E	0.01	1.01E	0.0	0.0	0.0
30	0.0		0.0	0.54	0.49E	0.23E	0.01E	1.36	1.61E	0.0	0.0	0.0
31	0.0		0.0		0.0 E		0.0 E	0.24		0.0		0.0
TOTAL	4.78	0.68	1.97	2.21	9.59	4.01	5.54	6.06	18.60	0.58	1.08	1.82
STA AV	1.87	2.18	2.95	1.81	5.06	8.13	6.58	6.72	6.58	3.60	1.48	1.72

Gaging: Thiesser weighted average of 8 rain gages.
Station Averages: 25 yr beginning July 1, 1955.

1978 MEAN DAILY DISCHARGE (CFS) VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	20.0	0.0	0.0	0.0	6.6	0.0	46.0	650.0	146.0	0.0	0.0	0.0
2	29.0	14.0	21.0	0.0	10.0	0.0	55.0	580.0	109.0	0.0	25.0	29.0
3	0.0	0.0	24.0	14.0	49.0	0.0	63.0	540.0	40.0	0.0	0.0	0.0
4	16.0	24.0	59.0	0.0	1.6	0.0	41.0	750.0	109.0	0.0	31.0	5.8
5	15.0	0.0	31.0	0.0	1.6	27.0	94.0	439.0	70.0	0.0	0.0	17.0
6	0.0	11.0	27.0	0.0	40.0	22.0	16.0	266.0	85.0	0.0	2.6	0.0
7	14.0	0.0	31.0	4.8	131.0	30.0	22.0	166.0	65.0	0.0	11.0	0.0
8	17.0	1.7	14.0	0.0	64.0	0.0	0.0	86.0	50.0	0.0	63.0	17.0
9	0.0	11.0	287.0	0.0	0.0	30.0	16.0	235.0	70.0	42.0	20.0	0.0
10	17.0	31.0	730.0	0.0	0.0	0.0	24.0	94.0	50.0	47.0	20.0	0.0
11	16.0	25.0	475.0	0.0	15.0	30.0	146.0	128.0	283.0	10.0	25.0	1.8
12	0.0	0.0	282.0	0.0	0.0	28.0	116.0	59.0	341.0	50.0	18.0	0.0
13	19.0	40.0	209.0	15.0	0.0	0.0	65.0	90.0	221.0	17.0	27.0	0.0
14	37.0	0.0	109.0	0.0	0.0	30.0	55.0	67.0	153.0	32.0	11.0	0.0
15	17.0	14.0	50.0	0.0	0.0	0.0	112.0	230.0	110.0	36.0	0.0	8.2
16	19.0	0.0	24.0	0.0	0.0	0.0	71.0	170.0	90.0	15.0	12.0	0.0
17	17.0	56.0	23.0	0.0	0.0	0.0	48.0	160.0	80.0	23.0	18.0	0.0
18	36.0	22.0	26.0	11.0	15.0	35.0	33.0	140.0	70.0	6.3	1.5	0.0
19	34.0	22.0	5.4	0.0	0.0	0.0	112.0	126.0	60.0	2.7	0.0	14.0
20	123.0	53.0	30.0	11.0	0.0	0.0	240.0	299.0	50.0	14.0	16.0	21.0
21	95.0	64.0	0.0	0.0	0.0	0.0	180.0	198.0	40.0	27.0	0.0	0.0
22	91.0	69.0	52.0	17.0	0.0	18.0	110.0	57.0	60.0	4.3	1.1	0.0
23	30.0	27.0	38.0	0.0	0.0	94.0	95.0	58.0	109.0	16.0	0.0	0.0
24	49.0	32.0	0.0	29.0	0.0	151.0	90.0	121.0	177.0	13.0	8.2	0.0
25	30.0	26.0	16.0	0.0	25.0	114.0	85.0	100.0	700.0	0.0	0.0	0.0
26	8.8	2.2	0.0	0.0	0.0	36.0	80.0	70.0	400.0	0.0	0.0	0.0
27	15.0	38.0	0.0	230.0	0.0	29.0	250.0	50.0	200.0	0.0	16.0	5.0
28	17.0	11.0	16.0	0.0	0.0	38.0	860.0	30.0	139.0	0.0	0.0	135.0
29	15.0		0.0	0.0	0.0	53.0	1100.0	25.0	70.0	0.0	0.0	431.0
30	0.0		30.0	0.0	0.0	46.0	903.0	149.0	60.0	0.0	18.0	357.0
31	17.0		0.0		0.0		779.0	321.0		0.0		294.0
MEAN	25.96	21.21	84.17	11.06	11.57	27.03	190.55	208.19	140.23	11.46	11.48	43.09
INCHES	0.286	0.211	0.929	0.118	0.128	0.289	2.102	2.297	1.497	0.126	0.123	0.475
STA AV	0.419	0.381	0.873	0.170	0.359	1.868	2.061	2.040	2.386	1.679	1.567	0.257

Conversion Factor: CFS to IN/DAY, multiply by .00035589.
Station Averages: 24 yr beginning July 1, 1955.
Notes: Discharge is combined flow from Williamson Ditch and S-1 structure. Measurements generally made once a week.
Data furnished by the U.S. Geological Survey.

1979	MEAN DAILY DISCHARGE (CFS)						VERO BEACH, FLORIDA (TAYLOR CREEK)		WATERSHED W-2			
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	154.0	22.0	0.0	0.0	13.0	26.0	14.0	8.7	10.0	620.0	0.0	10.0
2	185.0	23.0	3.1	0.0	0.0	48.0	0.0	0.0	14.0	370.0	10.0	0.0
3	231.0	11.0	10.0	25.0	0.0	28.0	0.0	0.0	200.0	180.0	0.0	10.0
4	215.0	9.8	0.0	0.0	0.0	219.0	19.0	7.2	1560.0	101.0	10.0	0.0
5	192.0	10.0	13.0	0.0	0.0	173.0	0.0	0.0	2440.0	54.0	0.0	0.0
6	165.0	20.0	12.0	0.0	0.0	39.0	0.0	13.0	2150.0	40.0	10.0	10.0
7	159.0	12.0	138.0	0.0	10.0	6.8	0.0	10.0	1580.0	40.0	0.0	10.0
8	177.0	9.2	78.0	0.0	37.0	11.0	34.0	7.8	837.0	30.0	10.0	30.0
9	191.0	6.3	34.0	0.0	391.0	0.0	148.0	0.0	753.0	30.0	0.0	10.0
10	185.0	0.0	21.0	12.0	327.0	0.0	55.0	26.0	1520.0	20.0	10.0	10.0
11	141.0	9.6	0.0	0.0	302.0	7.5	20.0	399.0	1700.0	30.0	10.0	10.0
12	177.0	8.7	10.0	0.0	244.0	0.0	9.3	305.0	1960.0	30.0	0.0	10.0
13	404.0	12.0	10.0	0.0	97.0	0.0	11.0	178.0	2230.0	10.0	10.0	0.0
14	379.0	0.0	0.0	0.0	286.0	14.0	305.0	26.0	2150.0	30.0	10.0	10.0
15	330.0	0.0	10.0	0.0	456.0	0.0	277.0	4.6	2130.0	10.0	0.0	0.0
16	296.0	8.8	0.0	0.0	258.0	0.0	139.0	13.0	1840.0	10.0	10.0	10.0
17	272.0	11.0	0.0	0.0	109.0	0.0	27.0	4.5	1210.0	20.0	10.0	10.0
18	283.0	0.0	8.6	0.0	42.0	8.2	12.0	0.0	853.0	10.0	0.0	0.0
19	257.0	0.0	0.0	0.0	24.0	0.0	9.6	4.3	673.0	10.0	10.0	0.0
20	188.0	9.7	0.0	0.0	11.0	0.0	3.2	12.0	673.0	10.0	10.0	10.0
21	129.0	0.0	8.6	10.0	12.0	0.0	12.0	0.0	673.0	10.0	0.0	0.0
22	153.0	9.8	0.0	0.0	13.0	0.0	16.0	7.8	1460.0	10.0	0.0	0.0
23	128.0	0.0	0.0	0.0	14.0	8.0	0.0	0.0	1430.0	0.0	10.0	10.0
24	215.0	9.5	8.7	0.0	219.0	0.0	0.0	0.0	1070.0	12.0	0.0	0.0
25	309.0	0.0	0.0	0.0	449.0	0.0	9.4	0.0	1260.0	10.0	10.0	0.0
26	200.0	9.5	0.0	11.0	91.0	3.5	0.0	0.0	1090.0	0.0	0.0	10.0
27	94.0	0.0	0.0	0.0	38.0	12.0	0.0	0.0	592.0	10.0	10.0	0.0
28	101.0	10.0	0.0	0.0	27.0	8.5	14.0	0.0	754.0	0.0	0.0	0.0
29	74.0		7.7	0.0	32.0	0.0	0.0	0.0	673.0	10.0	10.0	0.0
30	51.0		0.0	0.0	32.0	10.0	0.0	10.0	1520.0	0.0	0.0	10.0
31	27.0		0.0		66.0		0.0	15.0		10.0		0.0
MEAN	195.5	7.9	12.0	1.9	116.1	20.8	36.6	33.9	1233.5	55.7	5.3	5.8
INCHES	2.157	0.079	0.133	0.021	1.281	0.222	0.404	0.374	13.170	0.615	0.057	0.064
STA AV	0.489	0.369	0.844	0.164	0.396	1.802	1.997	1.974	2.801	1.638	1.509	0.250

Conversion Factor: CFS to IN/DAY, multiply by .00035589.
Station Averages: 25 yr beginning July 1, 1955.
Notes: Discharge is combined flow from Williamson Ditch and S-1 structure. Measurements generally made once a week.
Data furnished by the U.S. Geological Survey.

LOCATION: Okeechobee County, Florida. Runoff gaging site is approximately 11 mi. (airline) N-NW of City of Okeechobee on State Road #68. Northern reach of Taylor Creek Watershed. Lat. 27 deg. 23 min. 24 sec. N.; Long. 80 deg. 53 min. 42 sec. W.

AREA: 12224.00 acres 19.10 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-3

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	1.79	2.22	2.83	0.69	4.04	8.51	10.74	6.53	8.01	2.90	2.20	4.75	55.21
1978	Q	0.542	0.330	0.906	0.023	0.031	0.332	3.851	5.321	2.206	0.915	0.299	0.262	15.019
	P	5.34	1.12	1.85	2.60	9.15	4.38	5.90	7.46	19.57	0.73	0.86	1.75	60.71
1979	Q	1.413	0.351	0.331	0.026	0.924	0.207	0.618	0.729	18.237	3.685	0.181	0.122	26.825
STA AV	P	1.82	2.18	2.85	2.04	4.88	7.65	6.92	6.81	6.33	3.58	1.44	1.70	48.18
	Q	0.430	0.293	0.816	0.143	0.246	1.321	2.021	2.181	2.915	1.662	0.915	0.186	13.128

Watershed Conditions: Improved pasture, 59%; range & forest, 30%; cropland, 1%; miscellaneous, 10%.
Maps: Topographic/Hydrologic (revised) - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1971, USDA Misc. Pub. 1383, p. 08.002-3.
Precipitation: Records began July 1955. Thiessen weighted using 2 gages through Dec. 31, 1966; 3 gages beginning Jan. 1, 1967.
Runoff: Records began July 1955. Data furnished by U.S. Geological Survey.
Long-Term Precipitation: National Weather Service records at Okeechobee Hurricane Gate 6, Florida (gage discontinued Nov. 1971, afterwards use Okeechobee 9 SW).

1978 DAILY PRECIPITATION (INCHES) VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-3

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.22E	0.29	0.06E	0.0	0.77
2	0.0	0.0	0.0	0.0	0.80	0.0	0.21	0.06	0.38	0.35E	0.0	0.0
3	0.01	0.0	1.02	0.0	0.46	0.0	0.64	0.71E	0.0	0.0 E	0.0	0.0
4	0.0	0.06	0.0	0.0	0.15E	1.14	0.32	0.0 E	0.04	0.0	0.0	0.06
5	0.0	0.0	0.0	0.0	0.05E	0.72E	0.0	0.36E	0.82	0.44	0.0	0.01
6	0.0	0.0	0.0	0.0	1.35E	2.24E	0.27	0.49E	0.04	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0 E	0.01E	0.16	0.04E	0.0	0.0	1.48	0.0
8	0.33	0.44	0.0	0.0	0.0 E	0.0 E	0.04	0.80E	0.0	0.0	0.04	0.0
9	0.10	0.48	1.81	0.0	0.06E	0.55	0.33	0.06	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.45	0.21	1.34	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.12	0.42	0.0	0.78	1.17	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.09	0.17	0.0	0.0	0.0
13	0.21	0.0	0.0	0.01	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.08	0.0	0.0	0.15	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.28	0.0	0.0	0.0
16	0.0	0.24	0.0	0.0	0.0	0.0	0.05	0.23	0.0	0.0	0.0	0.0
17	0.56	0.06	0.0	0.0	0.0	0.0	0.21	0.0	0.29	0.0	0.0	0.0
18	0.06	0.54	0.0	0.0	0.10	0.0	0.09	0.35	0.04	0.0	0.0	0.0
19	0.52	0.0	0.0	0.25	0.0	0.0	1.88	0.89	0.05	0.13	0.0	0.0
20	0.0	0.30	0.0	0.0	0.01	0.0	0.08	0.04	0.0	0.0	0.38	0.0
21	0.0	0.10	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.06	0.06
22	0.0	0.0	0.0	0.0	0.0	1.50	0.11	0.0	0.25	0.09	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.52	0.01	0.0	0.0	0.04
24	0.0	0.0	0.0	0.43	0.0	0.0	0.0	0.06	1.82	0.0	0.0	0.36
25	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.19	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.66	1.61	0.0	0.37	0.0	0.0	1.01
28	0.0	0.0	0.0	0.0	0.22	0.56	0.83	0.0	0.0	0.39	0.0	2.37
29	0.0		0.0	0.0	0.84	0.0	0.18	0.72	0.0 E	0.21	0.09	0.07
30	0.0		0.0	0.0	0.0	0.04	0.07	0.53	0.85E	0.06	0.0	0.0
31	0.0		0.0		0.0		2.06E	0.0		0.0		0.0
TOTAL	1.79	2.22	2.83	0.69	4.04	8.51	10.74	6.53	8.01	2.90	2.20	4.75
STA AV	1.68	2.22	2.89	2.01	4.70	7.78	6.96	6.78	5.80	3.70	1.46	1.70

Air Temperature: See table for Watershed W-2, p. 08.002-1.
Gaging: Thiesser weighted average of 3 rain gages.
Station Averages: 24 yr beginning July 1, 1955.

1979 DAILY PRECIPITATION (INCHES) VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-3

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.09	0.0	0.0 E	0.0	0.09	0.28E	0.0	0.0
2	0.34	0.0	0.0	0.0	0.0	0.0	0.0 E	0.38	0.05	0.06E	0.10	0.0
3	0.0	0.0	0.0	0.0	0.0	0.08	0.06E	0.23	5.48E	0.0	0.01	0.01
4	0.0	0.0	0.70	0.0	0.0	0.0	0.0 E	0.50	0.40E	0.0	0.0	0.0
5	0.0	0.0	0.04	0.0	0.06	0.0	0.0 E	0.13	0.0 E	0.0	0.0	0.0
6	0.0	0.0	0.95	0.0	0.01	0.0	0.04E	0.18	0.0	0.0	0.0	1.19
7	0.0	0.11	0.10	0.0	0.86	0.0	1.67E	0.04	0.0	0.0	0.0	0.20
8	0.35	0.0	0.0	0.0	0.91	0.0	1.22E	0.06	0.0	0.0	0.0	0.14
9	0.0	0.0	0.0	0.0	1.65	0.0	0.0 E	0.05	2.56	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	1.48	0.0	0.05E	2.01	0.06	0.0	0.0	0.01
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.25	0.70	0.0	0.35	0.0
12	2.14E	0.0	0.0	0.0	0.0	0.0	0.16E	0.29	1.35	0.0	0.02	0.0
13	0.87E	0.0	0.0	0.0	0.01	0.09	1.46E	0.0	0.70	0.17	0.11	0.0
14	0.04E	0.0	0.0	0.0	1.32	0.06	0.08E	0.0	0.26	0.0	0.0	0.0
15	0.0 E	0.0	0.0	0.0	0.0	0.01	0.04E	0.0	0.72	0.01	0.0	0.0
16	0.0 E	0.0	0.0	0.0	0.0	0.01	0.12E	0.23	0.0	0.20	0.0	0.0
17	0.0	0.0	0.0	0.0	0.44	0.0	0.0 E	0.42	0.11	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0	0.0	0.0
20	0.09	0.0	0.0	0.0	0.0	0.0	0.11E	0.0	0.0	0.01	0.0	0.0
21	0.74	0.0	0.0	0.0	0.0	0.0	0.19E	0.0	2.30	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.04	0.41E	0.06	0.22	0.0	0.0	0.0
23	0.0	0.05	0.0	0.0	0.17	0.38	0.17E	0.29	0.09	0.0	0.0	0.0
24	0.57	0.0	0.06	0.95	1.35	0.0	0.0 E	0.0	0.17	0.0	0.0	0.0
25	0.0	0.96	0.0	0.82	0.0	0.0	0.0 E	0.0	0.0 E	0.0	0.26	0.0
26	0.0	0.0	0.0	0.14	0.0	1.20E	0.0 E	0.01	0.22E	0.0	0.0	0.0
27	0.20	0.0	0.0	0.0	0.08	0.86E	0.0 E	0.25	0.21E	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.38	0.23E	0.0 E	0.0	0.10E	0.0	0.01	0.0
29	0.0		0.0	0.0	0.01	1.01E	0.08E	0.06	2.11E	0.0	0.0	0.0
30	0.0		0.0	0.69	0.33	0.41E	0.04E	1.31	1.67E	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0 E	0.71		0.0		0.0
TOTAL	5.34	1.12	1.85	2.60	9.15	4.38	5.90	7.46	19.57	0.73	0.86	1.75
STA AV	1.82	2.18	2.85	2.04	4.88	7.65	6.92	6.81	6.33	3.58	1.44	1.70

Air Temperature: See table for Watershed W-2, p. 08.002-1.
Gaging: Thiessen weighted average of 3 rain gages.
Station Averages: 25 yr beginning July 1, 1955.

1978 MEAN DAILY DISCHARGE (CFS) VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-3

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12.00	3.60	4.80	1.40	0.10	0.10	17.00	978.00	21.00	53.00	6.20	4.00
2	12.00	3.40	4.60	1.00	0.10	0.0	16.00	319.00	22.00	33.00	5.60	5.10
3	11.00	3.40	5.40	1.00	0.30	0.0	19.00	269.00	20.00	47.00	5.10	3.80
4	10.00	3.20	13.00	0.80	0.50	0.10	46.00	260.00	19.00	32.00	4.80	3.20
5	9.30	3.00	12.00	0.70	0.80	0.10	30.00	75.00	17.00	23.00	4.60	3.20
6	8.50	2.80	11.00	0.80	1.00	8.00	14.00	53.00	18.00	20.00	4.30	2.80
7	8.20	2.60	8.50	0.80	5.90	18.00	10.00	56.00	17.00	17.00	6.00	2.60
8	7.50	2.40	7.00	0.60	2.80	4.50	8.90	57.00	16.00	15.00	16.00	2.40
9	8.90	5.40	107.00	0.50	1.20	4.80	8.90	75.00	16.00	14.00	12.00	2.00
10	8.50	7.00	98.00	0.40	1.00	11.00	9.30	44.00	16.00	12.00	8.90	1.60
11	7.50	5.60	36.00	0.40	0.70	10.00	11.00	40.00	24.00	12.00	7.20	1.60
12	7.20	4.80	29.00	0.30	0.40	7.00	17.00	30.00	47.00	14.00	6.20	1.40
13	7.00	4.10	22.00	0.30	0.30	5.90	11.00	26.00	43.00	18.00	5.40	1.40
14	7.50	3.80	16.00	0.30	0.20	4.10	8.90	29.00	31.00	16.00	5.10	1.20
15	7.20	3.40	13.00	0.20	0.10	3.00	41.00	44.00	25.00	14.00	5.10	1.20
16	6.20	3.40	12.00	0.20	0.10	2.20	27.00	29.00	25.00	13.00	4.60	1.20
17	5.90	4.10	9.30	0.20	0.10	1.60	18.00	24.00	24.00	12.00	4.30	1.20
18	11.00	7.20	7.90	0.10	0.0	1.00	15.00	22.00	26.00	11.00	3.80	1.00
19	11.00	12.00	6.20	0.20	0.0	0.80	64.00	28.00	23.00	9.70	3.60	1.00
20	28.00	12.00	5.90	0.20	0.0	0.60	304.00	44.00	21.00	9.50	3.60	0.90
21	14.00	13.00	5.40	0.20	0.0	0.60	163.00	31.00	19.00	8.60	4.30	0.80
22	11.00	13.00	4.80	0.10	0.0	1.40	71.00	24.00	18.00	8.30	4.10	0.80
23	11.00	12.00	4.30	0.10	0.0	5.90	38.00	21.00	24.00	7.80	3.80	0.90
24	9.30	9.30	3.80	0.20	0.0	8.20	21.00	21.00	113.00	7.20	3.40	1.00
25	7.90	7.50	3.40	0.20	0.0	7.50	14.00	21.00	299.00	6.70	3.20	1.20
26	7.00	6.60	3.20	0.10	0.0	5.90	10.00	20.00	82.00	6.50	2.80	1.20
27	5.90	5.60	3.00	0.10	0.0	5.40	35.00	18.00	38.00	2.30	2.60	1.20
28	5.10	5.40	2.60	0.10	0.0	13.00	258.00	17.00	28.00	5.10	2.40	3.70
29	4.60		2.40	0.10	0.10	20.00	268.00	17.00	21.00	7.50	2.20	55.00
30	4.30		2.20	0.10	0.20	20.00	104.00	17.00	20.00	7.50	2.20	20.00
31	3.80		1.80		0.10		300.00	24.00		7.00		5.90
MEAN	8.977	6.057	15.016	0.390	0.516	5.690	63.806	88.161	37.767	15.152	5.113	4.439
INCHES	0.542	0.330	0.906	0.023	0.031	0.332	3.851	5.321	2.206	0.915	0.299	0.262
STA AV	0.389	0.291	0.836	0.148	0.218	1.367	2.077	2.239	2.302	1.581	0.944	0.189

Conversion Factor: CFS to IN/DAY, multiply by .00194712.
Station Averages: 24 yr beginning July 1, 1955.
Notes: Data furnished by U.S. Geological Survey.

1979	MEAN DAILY DISCHARGE (CFS)						VERO BEACH, FLORIDA (TAYLOR CREEK) WATERSHED W-3					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	5.4	8.0	4.6	1.0	1.8	10.0	5.9	2.8	24.0	921.0	5.4	2.1
2	10.0	7.4	4.1	0.9	1.8	8.0	3.4	2.4	17.0	408.0	4.6	1.8
3	45.0	6.6	3.6	0.7	1.4	9.2	2.0	2.2	478.0	143.0	4.3	1.6
4	27.0	6.0	3.4	0.6	0.9	18.0	1.4	2.6	1280.0	81.0	4.3	1.4
5	15.0	5.8	5.1	0.6	0.7	11.0	1.0	2.4	903.0	57.0	4.1	1.7
6	10.0	5.6	6.6	0.4	0.4	7.6	0.9	2.8	326.0	42.0	3.8	2.1
7	7.9	5.4	34.0	0.4	0.5	5.0	2.1	3.2	117.0	31.0	3.6	5.6
8	9.3	5.2	20.0	0.3	0.9	3.6	11.0	3.0	60.0	24.0	3.4	6.0
9	12.0	5.0	13.0	0.3	30.0	2.8	41.0	2.6	99.0	19.0	3.2	4.9
10	10.0	4.8	9.7	0.3	50.0	2.2	22.0	27.0	450.0	15.0	3.2	4.0
11	7.9	4.8	7.9	0.3	40.0	1.8	14.0	96.0	287.0	12.0	3.0	3.2
12	60.0	4.7	6.6	0.2	28.0	1.6	10.0	48.0	441.0	9.7	2.8	2.7
13	100.0	4.7	5.6	0.2	15.0	1.4	10.0	24.0	599.0	8.3	3.8	2.3
14	70.0	40.0	4.8	0.2	10.0	1.2	34.0	12.0	514.0	7.5	4.1	2.0
15	50.0	2.9	4.3	0.2	43.0	1.0	31.0	5.9	570.0	6.5	3.4	1.8
16	30.0	4.6	3.6	0.2	25.0	1.0	20.0	4.3	323.0	5.2	3.2	1.7
17	15.0	4.6	3.4	0.1	12.0	0.7	14.0	12.0	134.0	4.5	2.8	1.6
18	10.0	4.6	3.2	0.1	9.2	0.5	12.0	19.0	83.0	4.0	2.8	1.5
19	8.6	4.6	3.0	0.1	7.0	0.4	10.0	7.0	57.0	3.4	2.6	1.4
20	7.6	4.6	2.8	0.1	5.0	0.3	8.5	2.5	40.0	3.2	2.4	1.4
21	8.8	4.1	2.6	0.1	3.6	0.2	7.5	5.4	66.0	11.0	2.2	1.3
22	15.0	3.8	2.2	0.1	2.6	0.2	8.2	5.1	555.0	10.0	2.0	1.3
23	14.0	3.6	2.2	0.1	1.7	0.4	8.2	4.3	230.0	9.3	1.9	1.2
24	30.0	3.4	2.2	0.1	15.0	1.0	7.9	4.6	144.0	8.5	1.8	1.2
25	40.0	5.1	2.0	0.8	98.0	0.6	7.0	4.6	110.0	8.2	1.7	1.1
26	26.0	8.9	2.0	1.4	21.0	0.4	5.6	4.3	78.0	7.5	2.2	1.1
27	20.0	6.2	1.8	1.2	12.0	1.1	4.8	4.6	58.0	7.2	2.9	1.0
28	23.0	5.4	1.6	0.8	9.1	3.0	4.3	4.6	50.0	7.0	2.8	1.0
29	17.0		1.6	0.7	8.0	2.9	3.6	4.1	213.0	6.6	2.6	1.0
30	12.0		1.4	1.1	7.0	9.3	3.2	14.0	1060.0	6.2	2.3	0.9
31	9.0		1.2		14.0		3.0	37.0		5.6		0.9
MEAN	23.40	6.44	5.49	0.45	15.31	3.55	10.24	12.07	312.20	61.05	3.11	2.03
INCHES	1.413	0.351	0.331	0.026	0.924	0.207	0.618	0.729	18.237	3.685	0.181	0.122
STA AV	0.430	0.293	0.816	0.143	0.246	1.321	2.021	2.181	2.915	1.662	0.915	0.186

Conversion Factor: CFS to IN/DAY, multiply by .00194712.
Station Averages: 25 yr beginning July 1, 1955.
Notes: Data furnished by U.S. Geological Survey.

LOCATION: Okeechobee County, Florida; 125 feet upstream from control structure 7, 450 feet upstream from confluence with Taylor Creek, 3.6 miles north of town of Okeechobee, Florida. Lat. 27 deg. 18 min. 40 sec. N.; Long. 80 deg. 53 min. 44 sec. W.

AREA: 20992.00 acres 32.80 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) VERO BEACH, FLORIDA (WILLIAMSON DITCH) WATERSHED W-5

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	1.77	1.81	2.94	2.13	3.96	7.81	7.99	7.25	7.77	1.39	0.82	4.43	50.07
1978	Q	0.288	0.278	1.045	0.108	0.077	0.468	2.636	2.250	3.191	1.013	0.077	0.345	11.776
	P	4.64	0.20	2.12	1.93	9.39	3.71	5.51	5.55	17.20	0.65	1.23	1.89	54.02
1979	Q	1.424	0.156	0.269	0.078	2.077	0.273	0.395	0.166	7.578	1.405	0.112	0.167	14.100
STA AV	P	1.92	1.95	2.45	1.18	5.67	9.06	7.04	7.08	6.45	3.67	1.54	1.71	49.74
	Q	0.502	0.279	0.664	0.142	0.536	1.997	2.391	2.207	2.187	1.459	0.423	0.348	13.136

Watershed Conditions: Vegetative cover: Improved pasture - 60%; unimproved pasture and range with little timber - 15%; woodland - 10%; citrus - 5%; marsh-swamp - 5%; urban, roads, etc. - 5%.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1971, USDA Misc. Pub. 1383, p. 08.002-3.
Precipitation: Records began April 1964. Thiessen weighted using 2 gages from 1965-1975, 3 gages through September 1978, then 4 gages.
Runoff: Records began April 1964. Data furnished by U.S. Geological Survey.
Long-Term Precipitation: National Weather Service records at Okeechobee Hurricane Gate 6, Florida (gage discontinued 1971, afterwards use Okeechobee 9 SW).
Notes: Watershed area was changed, effective Jan. 1976, to reflect physical alterations to the drainage area.

1978 DAILY PRECIPITATION (INCHES) VERO BEACH, FLORIDA (WILLIAMSON DITCH) WATERSHED W-5

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0 T	0.09	0.04	0.08	0.0	0.0	0.70
2	0.0	0.0	0.0	0.0	0.78	0.0	0.0	0.19	0.23	0.55	0.0	0.06
3	0.09	0.0	0.82	0.0	0.03	0.0	0.04	0.26	0.43	0.06	0.0	0.0
4	0.0	0.07	0.0	0.0	0.10	2.03	0.09	0.0	0.01	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.07	0.78	0.0	0.01	0.17	0.02	0.0	0.04
6	0.0	0.0	0.0	0.0	1.59E	0.22	0.39	0.02	0.06	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0 E	0.0	0.23	0.06	0.0	0.0	0.69	0.0
8	0.40	0.40	0.06	0.0	0.0 E	0.0	0.0	0.25	0.0	0.0	0.03	0.0
9	0.0 T	0.20	2.03E	0.0	0.0 E	0.07	0.06	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0 E	0.0	0.0	0.01	1.37	0.63	0.42	0.0 T	0.0	0.0
11	0.0	0.0	0.0 E	0.0	0.0	0.12	0.14	0.0	2.35E	0.17	0.0	0.0
12	0.0	0.0	0.0 E	0.0	0.0	0.42	0.01	0.25	0.01E	0.0 T	0.0	0.0
13	0.57	0.0	0.0 E	0.23	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
14	0.0	0.0	0.01E	0.0	0.0	0.0	0.30	2.27	0.0	0.06	0.06	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.07	0.44	0.0	0.0	0.0
16	0.0	0.23	0.0	0.0	0.0	0.0	0.06	0.22	0.0 T	0.0	0.0	0.0
17	0.02	0.07E	0.0	0.0	0.0	0.0	0.27	0.0	0.22E	0.0	0.0	0.0
18	0.03	0.50E	0.0	1.16	0.65	0.0	0.13	0.25	0.0 E	0.0	0.0 E	0.0
19	0.60	0.0 E	0.0	0.07E	0.0 T	0.0	1.00E	0.62	0.07E	0.03	0.0 E	0.0
20	0.0	0.24E	0.0	0.0 E	0.0	0.0	0.0 E	0.06	0.0	0.0	0.04E	0.0
21	0.0	0.10E	0.02	0.0 E	0.0	0.24	0.0 E	0.0	0.0	0.0	0.0 E	0.0
22	0.0	0.0	0.0	0.0 E	0.0	2.01	0.41E	0.0	0.52	0.23	0.0	0.0
23	0.0	0.0	0.0	0.0 E	0.0	0.96	0.06E	0.53	0.0	0.0	0.0	0.03
24	0.0	0.0	0.0	0.67E	0.0	0.0	0.03E	0.14	1.30	0.0	0.0	0.49
25	0.0	0.0	0.0	0.0 E	0.0	0.04	0.05E	0.0	0.0	0.0	0.0	0.0 E
26	0.06	0.0	0.0	0.0	0.35	0.0 T	0.0	0.0 E	0.0	0.0	0.0	0.0 E
27	0.0	0.0	0.0	0.0	0.06	0.10	1.97	0.0 E	0.09	0.0	0.0	0.74E
28	0.0	0.0	0.0	0.0	0.02	0.12	0.30	0.0 E	0.0	0.08	0.0	2.20E
29	0.0		0.0	0.0	0.30	0.63	0.11	0.40E	0.0	0.16	0.0	0.11E
30	0.0		0.0	0.0	0.01	0.06	0.27	0.96	1.37	0.03	0.0	0.06E
31	0.0		0.0		0.0		0.60	0.01		0.0		0.0 E
TOTAL	1.77	1.81	2.94	2.13	3.96	7.81	7.99	7.25	7.77	1.39	0.82	4.43
STA AV	1.72	2.08	2.48	1.13	5.40	9.44	7.15	7.19	5.68	3.89	1.56	1.70

Air Temperatures: See table for Watershed W-2, page 08.002-1.
Gaging: Thiessen weighted average of three rain gages through September 1978, then four rain gages.
Station Averages: 14 yr beginning 1965.

1979	DAILY PRECIPITATION (INCHES)					VERO BEACH, FLORIDA (WILLIAMSON DITCH) WATERSHED W-5						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0 E	0.0	0.0	0.0	0.09	0.0 E	0.0 T	0.02E	0.0	0.20	0.0	0.0
2	0.80E	0.0	0.0	0.0	0.0	0.0 E	0.0	0.25E	0.35	0.0	0.04	0.0
3	0.0	0.0	0.0	0.0	0.0	0.75E	0.18	0.01E	5.90E	0.0	0.0	0.0
4	0.0	0.0	0.81	0.0	0.0	0.0 E	0.0	0.31E	0.59E	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.03E	0.07E	0.0	0.0	0.0
6	0.0	0.0	1.03	0.0	0.0	0.0	0.15	0.0 E	0.0	0.0	0.0	1.04
7	0.0	0.0 T	0.04	0.0	0.79	0.0	0.18	0.45E	0.0	0.0	0.0	0.74
8	0.46	0.0	0.06	0.0	2.54	0.0	0.81	0.0 T	0.17	0.0	0.0	0.04
9	0.0	0.0	0.0	0.0	0.98	0.0	0.42	0.82	1.39	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.24E	0.0	0.01	0.43	0.26	0.0	0.0	0.0 T
11	0.0	0.0	0.0	0.0	0.02E	0.0	0.0	0.31	0.39	0.0	0.17	0.01
12	1.56	0.0	0.0	0.0	0.0 E	0.0	0.0	0.39	1.72	0.0	0.21	0.0
13	0.20	0.0	0.0	0.0	0.02E	0.0	1.67	0.0	1.38	0.04	0.40	0.0
14	0.0 T	0.0	0.0	0.0	1.18E	0.0 E	0.0 T	0.06	0.16E	0.0 T	0.0	0.0
15	0.0	0.0	0.0	0.0	0.09E	0.45E	0.77	0.12	0.39E	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0 E	0.17E	0.0 T	0.0	0.0 E	0.15	0.0	0.0
17	0.0	0.0	0.0	0.0	0.01E	0.0 E	0.0	0.03	0.10E	0.12	0.0	0.06
18	0.0	0.0	0.0	0.0	0.0 E	0.0 E	0.0	0.02	0.0 E	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0 E	0.0 E	0.0	0.0	0.0 E	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0 E	0.0	0.01	0.0	0.0 E	0.0 E	0.0	0.0
21	0.54	0.0	0.0	0.0	0.0 E	0.0	0.37	0.0	0.92E	0.0 E	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0 E	0.0	0.58	0.0	0.24E	0.14E	0.0	0.0
23	0.0	0.08E	0.0	0.0	1.35E	0.01	0.35	0.35	0.75E	0.0 E	0.0	0.0
24	0.78	0.0 E	0.18	0.75	1.41E	0.01	0.0	0.12	0.24E	0.0	0.0	0.0 T
25	0.0	0.12E	0.0	0.31	0.03E	0.0	0.0	0.0	0.22E	0.0	0.30	0.0
26	0.0	0.0 E	0.0	0.40	0.0 E	1.10	0.0	0.09	0.18E	0.0	0.03	0.0
27	0.30	0.0 E	0.0	0.0	0.0 E	0.03	0.0.	0.07	0.17E	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.03E	0.12	0.0	0.0	0.10	0.0	0.08	0.0
29	0.0		0.0	0.0	0.02E	0.88	0.01	0.0	0.24	0.0	0.0	0.0
30	0.0		0.0	0.47	0.58E	0.19	0.0	1.55	1.27	0.0	0.0	0.0
31	0.0		0.0		0.0 E		0.0	0.12		0.0		0.0
TOTAL	4.64	0.20	2.12	1.93	9.39	3.71	5.51	5.55	17.20	0.65	1.23	1.89
STA AV	1.92	1.95	2.45	1.18	5.67	9.06	7.04	7.08	6.45	3.67	1.54	1.71

Air Temperatures: See table for Watershed W-2, page 08.002-1.
Gaging: Thiessen weighted average of four rain gages.
Station Averages: 15 yr beginning 1965.

1978	MEAN DAILY DISCHARGE (CFS)					VERO BEACH, FLORIDA (WILLIAMSON DITCH) WATERSHED W-5						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.10	3.90	4.20	4.60	1.20	1.20	27.00	138.00	128.00	182.00	3.00	2.10
2	5.70	3.90	4.20	3.90	1.90	0.90	42.00	100.00	76.00	119.00	3.00	2.70
3	5.40	3.60	7.30	3.90	5.70	0.70	27.00	103.00	61.00	126.00	2.70	2.40
4	5.00	3.60	20.00	3.90	3.60	2.50	17.00	76.00	119.00	112.00	2.40	2.40
5	4.60	3.60	14.00	3.30	2.70	11.00	11.00	39.00	95.00	75.00	2.40	2.40
6	4.20	3.90	9.10	2.70	3.60	16.00	9.10	20.00	58.00	54.00	2.10	2.10
7	3.90	3.60	7.30	3.00	3.00	14.00	14.00	13.00	33.00	39.00	2.40	1.80
8	3.90	3.60	5.70	2.70	1.50	9.60	14.00	9.60	20.00	26.00	3.00	1.80
9	6.50	6.50	84.00	2.70	6.10	6.50	15.00	11.00	14.00	23.00	3.60	1.60
10	6.90	9.10	304.00	2.70	3.90	4.20	22.00	10.00	11.00	16.00	3.60	1.40
11	5.40	7.70	195.00	1.60	2.70	3.30	157.00	14.00	71.00	9.10	3.30	1.40
12	4.60	6.50	87.00	1.60	1.80	3.00	114.00	8.10	363.00	7.70	3.00	1.40
13	6.50	5.40	55.00	1.80	1.60	4.20	55.00	7.30	288.00	11.00	2.40	1.60
14	17.00	5.00	31.00	1.80	1.40	3.60	35.00	43.00	163.00	9.60	1.80	1.60
15	12.00	5.40	15.00	1.60	1.20	2.70	56.00	291.00	87.00	8.60	1.60	1.60
16	9.10	5.70	5.40	1.80	1.20	1.80	45.00	170.00	96.00	7.30	1.60	1.60
17	8.10	7.70	6.50	2.40	1.20	1.40	26.00	110.00	70.00	6.10	1.40	1.60
18	7.30	10.00	6.90	3.80	1.60	1.20	20.00	71.00	80.00	5.40	1.40	1.60
19	7.70	25.00	6.50	10.00	2.40	1.20	26.00	67.00	48.00	5.00	1.40	1.60
20	24.00	18.00	5.70	6.50	1.60	1.20	159.00	83.00	34.00	4.60	1.40	1.60
21	23.00	23.00	4.60	7.70	1.20	1.20	126.00	51.00	24.00	4.60	1.40	1.40
22	15.00	25.00	4.60	3.90	1.20	2.40	79.00	30.00	23.00	4.20	1.40	1.40
23	12.00	16.00	3.90	2.10	1.20	44.00	73.00	29.00	88.00	5.00	1.80	1.40
24	10.00	12.00	3.60	3.60	1.40	102.00	47.00	93.00	83.00	5.40	2.10	1.60
25	9.10	9.10	3.30	3.60	1.40	59.00	29.00	58.00	274.00	5.00	2.10	1.80
26	7.30	7.30	3.30	2.40	1.60	22.00	19.00	32.00	184.00	4.20	2.70	2.10
27	6.10	6.10	4.60	1.80	2.10	15.00	37.00	18.00	90.00	3.90	2.70	2.10
28	5.00	5.00	5.00	1.60	2.70	22.00	345.00	11.00	58.00	3.90	2.40	42.00
29	4.60		5.40	1.40	2.40	18.00	435.00	10.00	41.00	3.90	2.10	96.00
30	4.20		4.60	1.20	1.80	37.00	157.00	73.00	34.00	3.60	2.10	77.00
31	3.90		4.60		1.20		87.00	195.00		3.30		41.00
MEAN	8.197	8.757	29.719	3.187	2.197	13.760	75.003	64.000	93.800	28.819	2.277	9.810
INCHES	0.288	0.278	1.045	0.108	0.077	0.468	2.636	2.250	3.191	1.013	0.077	0.345
STA AV	0.437	0.288	0.692	0.146	0.426	2.120	2.534	2.353	1.802	1.463	0.446	0.361

Station Averages: 14 yr beginning 1965.
Conversion Factor: CFS to IN/DAY after 1975, multiply by 0.00113384.
Notes: Data furnished by U.S. Geological Survey. Records are good to fair.

1979 MEAN DAILY DISCHARGE (CFS) VERO BEACH, FLORIDA (WILLIAMSON DITCH) WATERSHED [illegible]

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	19.00	12.00	3.60	2.10	2.70	30.00	7.30	2.70	9.10	412.00	4.30	2.10
2	25.00	9.60	3.60	1.80	2.40	14.00	5.40	2.70	20.00	295.00	5.00	1.80
3	67.00	8.60	3.30	2.10	2.40	14.00	3.90	2.40	85.00	153.00	4.30	1.40
4	31.00	7.70	3.30	2.10	1.80	62.00	3.60	2.40	440.00	87.00	4.30	1.60
5	19.00	7.30	7.70	2.40	1.60	30.00	3.60	2.40	395.00	62.00	4.60	1.80
6	14.00	6.90	7.90	2.40	1.20	13.00	3.00	2.40	386.00	45.00	3.90	2.00
7	11.00	6.50	56.00	2.10	1.60	8.10	2.70	3.30	410.00	33.00	3.90	22.00
8	13.00	6.50	35.00	1.80	3.30	5.70	3.00	4.20	315.00	11.00	3.90	27.00
9	24.00	6.10	23.00	1.80	117.00	4.60	5.00	4.60	253.00	9.50	3.60	14.00
10	15.00	5.40	12.00	1.80	161.00	3.90	11.00	8.60	315.00	11.00	3.30	8.60
11	11.00	5.00	8.10	1.80	128.00	3.00	7.30	7.70	256.00	10.00	3.30	6.50
12	104.00	4.20	6.10	1.80	74.00	2.10	4.20	8.10	230.00	8.60	3.90	5.40
13	217.00	3.30	5.70	1.60	37.00	1.80	6.40	7.30	329.00	7.70	5.00	4.60
14	123.00	3.30	4.20	1.60	38.00	1.80	54.00	7.70	371.00	7.70	6.90	4.30
15	67.00	3.30	3.90	1.60	148.00	2.10	42.00	7.30	357.00	7.70	4.60	3.90
16	41.00	3.00	3.30	1.60	105.00	2.10	68.00	9.10	334.00	7.30	3.30	3.60
17	29.00	3.00	3.00	1.40	55.00	2.40	29.00	6.50	291.00	6.50	2.70	3.60
18	20.00	3.00	3.60	1.40	26.00	2.10	13.00	5.00	198.00	6.50	2.40	3.30
19	14.00	3.00	3.60	1.40	17.00	1.80	8.60	4.20	124.00	5.80	2.10	3.30
20	12.00	3.00	3.30	1.40	10.00	1.80	6.10	3.90	71.00	5.40	1.80	3.30
21	19.00	3.00	3.60	1.40	7.30	1.40	5.00	3.00	37.00	4.60	1.80	2.70
22	27.00	3.00	3.90	2.40	5.40	1.60	5.70	3.00	151.00	4.30	1.80	2.40
23	18.00	2.40	3.90	2.70	4.20	1.80	7.30	2.70	152.00	4.30	1.60	2.40
24	59.00	3.00	4.20	3.30	105.00	2.10	9.60	3.00	195.00	4.30	1.60	2.10
25	70.00	3.60	3.90	4.60	296.00	1.80	8.60	3.30	184.00	3.90	1.60	2.10
26	42.00	3.90	3.90	3.90	195.00	2.10	6.10	3.30	205.00	3.60	2.10	2.10
27	30.00	3.90	3.60	4.60	110.00	5.70	4.60	3.30	170.00	3.60	3.20	1.80
28	44.00	3.90	2.70	3.90	59.00	5.00	3.90	3.30	146.00	4.30	3.00	1.80
29	32.00		2.70	3.30	32.00	5.40	3.60	3.00	112.00	5.40	3.00	1.80
30	23.00		2.40	3.00	23.00	7.70	3.30	4.20	142.00	5.00	2.40	1.80
31	16.00		2.40		62.00		3.30	12.00		3.90		1.80
MEAN	40.52	4.91	7.65	2.30	59.09	8.03	11.23	4.73	222.77	39.96	3.31	4.74
INCHES	1.424	0.156	0.269	0.078	2.077	0.273	0.395	0.166	7.578	1.405	0.112	0.167
STA AV	0.502	0.279	0.664	0.142	0.536	1.997	2.391	2.207	2.187	1.459	0.423	0.348

Station Averages: 15 yr beginning 1965.
Conversion Factor: CFS to IN/DAY after 1975, multiply by 0.00113384.
Notes: Data furnished by U.S. Geological Survey. Records are good to fair.

LOCATION: Oconee Co., Ga.; 7 mi. S.W. of Athens, near Watkinsville, Ga., Oconee River Basin. Iat. 33 deg. 53 min. 38 sec. N.; Long. 83 deg. 25 min. 30 sec. W.

AREA: 19.20 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) WATKINSVILLE, GEORGIA WATERSHED W-1 (10001)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	7.58	0.83	3.04	3.49	4.41	1.85	5.67	4.34	0.81	1.11	2.79	3.86	39.78
1978	Q	2.200	0.0	0.051	0.0	0.182	0.002	0.037	0.011	0.0	0.007	0.0	0.008	2.498
	P	6.75	7.19	2.80	8.78	4.06	2.36	3.14	3.73	4.05	2.32	3.84	1.35	50.37
1979	Q	0.513	1.325	0.118	2.471	0.194	0.206	0.0	0.016	0.0	0.0	0.011	0.0	4.854
STA AV	P	4.91	4.53	6.03	4.27	4.17	3.64	4.89	3.94	3.21	2.97	3.69	4.58	50.83
	Q	0.501	0.370	0.732	0.445	0.330	0.189	0.319	0.264	0.029	0.058	0.300	0.241	3.778

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	1-25	0.711	1-25	0.444	1-25	0.652	1-25	1.343	1-25	1.403	1-24	2.112	1-24	2.128	1-18	2.183
1979	4-13	1.422	4-13	0.666	4-13	0.915	4-13	1.280	4-13	1.987	4-12	2.264	4-12	2.272	4- 6	2.337
MAXIMUMS FOR PERIOD OF RECORD																
	4-25	2.710	6-26	1.840	6-26	2.540	6-26	3.480	6-26	3.740	6-26	3.780	11-26	5.680	11-22	6.640
	1945		1963		1963		1963		1963		1963		1948		1948	

Watershed Conditions: 1978 - Excellent coastal bermudagrass pasture. Fertilized and cut as follows: March 13 applied 2700 lbs. NH4NO3, June 5, 27 rolls of hay cut, mostly weeds, July 18 applied 4000 lbs. NH4NO3, July 25 sprayed with 1 1/2 pts. per acre 2-4-D, Aug. 21, 49 rolls of hay cut, Aug. 28 applied 5000 lbs. NH4NO3, Nov. 28 planted rye. A total of 9,935 cow-days of grazing. 1979 - Common coastal bermudagrass. No record of this pasture being cut in 1979. May 2 applied 2500 lbs. NH4NO3, July 23 applied 3000 lbs. NH4NO3, Sept. 14 applied 20 tons of lime, Oct. 22 applied 2375 lbs. NH4NO3. A total of 7,458 cow-days of grazing.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 10.1-8.
Precipitation: Records began Sept. 1, 1939.
Runoff: Records began Sept. 1, 1939.
Long-Term Precipitation: National Weather Service records at Athens, Ga. (1885-1939) and Southern Piedmont Conservation Research Center (1940 onward).

1978 DAILY AIR TEMPERATURE (DEGREES F) WATKINSVILLE, GEORGIA WATERSHED W-1 (10001)

Day	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min
1	50	38	46	29	58	34	82	55	70	58	90	60	98	70	89	68	93	66	78	57	78	44	60	37
2	40	29	52	32	38	32	78	56	70	52	91	60	99	74	90	68	90	68	80	54	77	46	59	34
3	49	24	42	28	44	32	79	49	60	48	86	69	94	77	83	71	88	70	80	52	74	43	54	39
4	52	18	44	25	44	29	83	50	75	50	86	66	97	72	83	70	88	66	83	57	76	38	70	48
5	53	26	42	22	42	18	86	56	75	50	88	58	84	70	88	68	84	65	84	52	78	36	58	33
6	52	43	34	20	64	28	79	56	84	50	88	64	83	71	89	72	84	64	71	50	79	37	66	29
7	56	44	39	16	60	32	87	59	75	58	84	69	90	67	84	72	90	62	69	45	62	41	59	33
8	62	37	38	22	48	36	87	51	72	63	77	69	96	69	88	70	90	64	70	36	68	50	73	50
9	26	14	49	30	40	36	87	51	82	63	88	69	99	70	87	70	92	64	69	37	65	51	73	31
10	29	15	57	25	62	38	86	55	77	55	84	65	96	71	84	70	89	68	72	48	69	54	44	24
11	39	14	57	28	66	31	69	56	77	47	84	69	94	73	80	70	87	67	88	46	74	47	44	25
12	37	20	64	28	66	46	74	49	76	52	86	69	84	72	86	70	85	64	80	48	75	43	56	22
13	34	31	46	34	73	42	72	54	76	60	87	66	87	66	90	70	92	64	77	55	72	44	59	27
14	34	24	41	32	75	59	77	51	70	56	82	57	86	74	90	70	74	69	60	47	66	54	54	33
15	34	24	50	28	75	49	82	46	62	53	81	59	79	72	86	70	76	67	65	39	77	52	60	20
16	38	22	54	30	65	40	78	48	69	46	84	63	87	70	89	69	77	66	74	35	76	54	56	37
17	40	33	51	34	51	32	76	58	77	52	83	59	89	67	93	70	92	64	65	34	74	59	56	31
18	48	33	49	38	52	29	68	58	80	56	86	61	91	66	95	70	92	66	70	38	70	45	54	23
19	42	34	44	31	70	33	76	50	84	57	86	63	89	67	96	70	95	64	75	35	66	42	64	48
20	49	30	48	25	73	42	62	44	87	56	87	62	89	67	98	72	93	68	78	46	62	44	74	57
21	40	26	40	22	72	46	60	37	88	62	91	67	92	66	84	74	89	67	78	41	64	41	67	37
22	44	27	38	21	74	44	68	31	85	62	93	66	95	69	86	70	93	64	80	44	63	43	55	29
23	48	22	47	25	78	38	70	38	82	68	94	67	95	72	86	64	80	66	82	45	60	50	56	26
24	42	27	56	32	78	42	78	49	88	63	94	67	93	69	90	60	68	64	78	52	72	49	46	40
25	63	36	69	28	70	44	69	49	90	60	93	67	92	69	92	66	80	62	69	52	68	42	54	31
26	36	24	56	33	52	40	56	45	88	64	96	72	88	69	90	71	78	60	78	52	66	35	60	29
27	39	23	60	32	53	37	70	40	87	67	98	68	74	70	86	72	78	60	82	55	60	49	48	28
28	37	21	42	38	71	32	75	40	80	67	102	73	90	71	90	70	86	56	82	52	60	50	46	28
29	37	21			78	36	78	45	85	63	100	75	93	71	92	68	78	60	74	58	50	44	42	32
30	42	20			76	44	74	54	85	64	99	71	95	73	90	70	68	61	71	53	54	46	44	35
31	42	26			82	40			89	65			89	71	92	70			75	52			64	41
AV.	43	27	48	28	63	37	76	49	79	58	89	66	91	70	89	70	85	65	75	47	69	46	57	33
MEAN	34.9		38.3		50.2		62.5		68.3		77.3		80.3		79.1		74.8		61.4		57.2		45.4	
STA AV	52	32	56	33	64	42	73	47	79	56	86	64	89	69	87	68	83	63	74	50	63	41	56	35

Station Averages: 10 yr beginning 1969.

1979 DAILY AIR TEMPERATURE (DEGREES F) WAIKINSVILLE, GEORGIA WATERSHED W-1 (10001)

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	69	51	36	19	66	43	79	54	76	42	82	64	88	56	93	70	85	70	82	60	73	58	54	26
2	54	17	50	18	71	38	74	58	76	49	89	64	92	59	91	74	86	68	80	58	70	52	48	32
3	32	14	42	34	63	48	64	58	78	58	83	68	94	67	93	68	88	69	76	54	66	40	45	22
4	44	20	52	34	67	59	68	54	83	61	93	64	95	72	93	68	78	71	73	51	62	33	62	21
5	43	25	46	32	64	45	64	46	76	62	84	58	89	70	92	70	90	74	68	49	63	33	62	30
6	53	36	35	30	60	40	71	42	75	59	74	62	76	68	94	68	90	71	74	42	68	37	53	40
7	60	45	35	31	64	31	76	41	78	63	85	66	68	64	96	68	90	67	72	53	67	39	61	38
8	40	22	50	26	54	38	66	47	77	64	84	68	69	61	97	70	83	67	82	46	67	36	62	38
9	44	14	41	24	66	30	67	43	78	66	84	67	72	66	98	71	79	60	80	54	74	43	56	31
10	51	23	48	18	63	34	69	34	84	68	88	64	72	66	96	71	78	60	65	49	69	57	64	28
11	53	24	56	25	50	36	68	51	85	65	81	62	80	68	92	70	82	56	68	47	60	55	69	35
12	42	34	62	25	67	31	73	61	87	65	80	50	86	73	85	70	78	67	80	46	58	53	73	48
13	43	37	54	30	70	34	63	59	80	61	80	54	91	73	84	62	83	73	76	58	62	44	70	56
14	50	26	58	30	62	35	72	50	78	54	78	54	90	72	86	64	84	67	65	35	60	32	60	45
15	44	20	72	50	60	36	74	42	82	51	70	57	94	72	90	59	83	61	70	36	60	29	48	37
16	53	21	67	35	53	34	74	44	78	54	75	58	88	68	74	64	78	66	74	41	67	41	57	43
17	65	28	40	26	66	33	76	47	76	52	84	58	94	70	85	64	69	63	76	52	72	35	48	32
18	63	38	26	19	75	36	77	40	79	50	91	62	91	70	90	59	69	62	79	52	72	39	52	22
19	40	32	49	22	76	45	73	49	83	52	92	64	87	70	97	66	83	64	80	56	72	39	60	30
20	39	32	46	23	80	54	78	44	84	60	75	68	87	70	100	68	73	62	79	58	74	41	59	35
21	52	33	45	37	75	57	81	46	84	64	83	67	88	70	97	70	80	64	82	58	72	43	45	37
22	44	25	54	40	58	54	79	50	85	63	87	66	84	70	92	68	78	60	81	54	73	51	51	42
23	50	25	59	53	66	55	77	57	75	64	90	63	87	74	84	68	72	58	70	52	77	62	54	47
24	47	26	58	50	58	38	72	56	78	53	83	68	86	73	84	71	64	59	69	45	70	60	64	48
25	43	22	67	37	46	33	63	59	62	47	70	63	83	72	88	70	64	59	71	40	70	61	49	39
26	56	28	38	32	60	29	71	60	71	40	76	62	87	71	88	70	72	60	70	38	63	50	58	36
27	45	37	60	31	72	35	69	54	74	44	80	60	89	72	89	70	68	66	71	36	70	36	66	30
28	40	30	62	30	74	46	65	46	80	54	84	55	90	68	88	70	83	68	76	38	60	38	51	36
29	47	30			76	49	68	35	74	58	88	56	90	73	87	71	84	67	68	48	41	28	62	32
30	57	28			74	48	74	39	82	58	90	66	92	68	92	68	84	66	64	59	46	20	52	43
31	41	24			76	53			76	65			93	73	88	67			67	60			48	42
AV.	49	28	50	31	66	41	72	49	79	57	82	62	86	69	90	68	79	65	74	49	66	43	57	36
MEAN	38.3		40.6		53.4		60.2		67.8		72.2		77.6		79.2		72.1		61.5		54.6		46.8	
STA AV	52	32	55	33	64	42	73	47	79	56	86	64	89	69	87	68	83	63	74	50	63	41	56	35

Station Averages: 11 yr beginning 1969.

1978 DAILY PRECIPITATION (INCHES) WAIKINSVILLE, GEORGIA WATERSHED W-1 (10001)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.35	0.0	0.0	1.14	0.0	0.0	0.0	0.0	0.28	0.04	0.0
2	0.0	0.03	0.28	0.0	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0
3	0.0	0.0	0.36	0.0	0.10	0.02	0.0	0.68	0.0	0.0	0.0	0.09
4	0.0	0.0	0.0	0.0	0.55	0.11	0.0	0.47	0.0	0.0	0.0	1.74
5	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35
6	0.47	0.0	0.0	0.0	0.0	0.03	0.0	0.44	0.0	0.0	0.0	0.0
7	0.0	0.0	0.20	0.0	0.40	0.54	0.0	0.13	0.0	0.0	0.44	0.0
8	0.43	0.0	0.17	0.0	1.42	1.08	0.0	0.03	0.0	0.0	0.0	0.0
9	0.0	0.0	1.34	0.0	0.0	0.02	0.29	0.01	0.0	0.0	0.0	0.18
10	0.0	0.0	0.18	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.53	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0
12	0.24	0.0	0.10	0.19	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0
13	0.39	0.30	0.0	0.72	0.30	0.05	0.0	0.06	0.0	0.83	0.0	0.0
14	0.0	0.0	0.27	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.02	0.0	1.45	1.47	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.12
17	0.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	0.0
18	0.0	0.09	0.0	0.98	0.42	0.0	0.0	0.0	0.0	0.0	0.02	0.0
19	1.15	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0
24	0.87	0.0	0.0	0.0	0.0	0.0	1.39	0.0	0.16	0.0	0.03	0.97
25	3.09	0.0	0.08	0.79	0.0	0.0	1.10	0.0	0.0	0.0	0.03	0.0
26	0.0	0.0	0.06	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.64	0.0	0.0	0.73	0.0
28	0.0	0.31	0.0	0.0	0.06	0.0	0.05	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0
30	0.0		0.0	0.08	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.15
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	7.58	0.83	3.04	3.49	4.41	1.85	5.67	4.34	0.81	1.11	2.79	3.86
STA AV	4.86	4.46	6.11	4.15	4.18	3.67	4.94	3.94	3.19	2.99	3.69	4.66

Gaging: Rain gage R1-W1.
Station Averages: 39 yr beginning 1940.

1979 DAILY PRECIPITATION (INCHES) WATKINSVILLE, GEORGIA WATERSHED W-1 (10001)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.27	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.75	0.0
2	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.38	0.0
3	0.0	0.05	0.49	0.31	0.0	0.88	0.0	0.0	0.42	0.0	0.0	0.0
4	0.0	0.0	0.65	1.55	0.15	0.0	0.0	0.0	0.05	0.86	0.0	0.0
5	0.0	0.0	0.0	0.0	0.01	0.0	0.29	0.0	0.0	0.0	0.0	0.0
6	0.0	1.43	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.26
7	0.75	0.47	0.04	0.0	0.60	1.19	0.23	0.0	0.0	0.0	0.0	0.0
8	0.0	0.18	0.0	0.95	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0
9	0.0	0.01	0.0	0.25	0.12	0.0	0.35	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.27	0.0	0.03	0.0	0.41	0.0	0.0	0.05	0.48	0.0
11	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.55	0.0	0.0	0.85	0.0
12	0.24	0.0	0.0	0.85	0.13	0.0	0.03	0.0	0.06	0.0	0.0	0.0
13	0.86	0.0	0.0	3.36	0.06	0.0	0.0	0.0	0.16	0.0	0.0	0.04
14	0.06	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0
18	0.0	1.36	0.0	0.0	0.0	0.0	0.05	0.0	0.73	0.0	0.0	0.0
19	0.15	0.22	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
20	1.86	0.26	0.0	0.0	0.0	0.0	0.40	0.0	0.05	0.0	0.0	0.0
21	0.03	0.15	0.0	0.0	0.19	0.21	0.68	0.0	0.28	0.0	0.0	0.0
22	0.0	0.42	0.0	0.0	0.0	0.0	0.06	0.89	0.0	0.0	0.0	0.0
23	0.71	0.46	1.11	0.0	0.38	0.0	0.0	0.18	0.0	0.59	0.0	0.0
24	0.05	1.25	0.03	0.0	0.02	0.0	0.21	0.26	0.0	0.0	0.18	0.57
25	0.0	0.92	0.0	1.11	0.0	0.0	0.13	1.30	0.01	0.0	1.20	0.0
26	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.41	0.34	0.0	0.0	0.0
27	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.65	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0
29	0.0		0.0	0.0	1.42	0.0	0.10	0.01	0.48	0.31	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.51	0.0	0.48
31	0.08		0.0		0.95		0.0	0.01		0.0		0.0
TOTAL	6.75	7.19	2.80	8.78	4.06	2.36	3.14	3.73	4.05	2.32	3.84	1.35
STA AV	4.91	4.53	6.03	4.27	4.17	3.64	4.89	3.94	3.21	2.97	3.69	4.58

Gaging: Rain gage R1-W1.
Station Averages: 40 yr beginning 1940.

1978 MEAN DAILY DISCHARGE (CFS) WATKINSVILLE, GEORGIA WATERSHED W-1 (10001)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.005
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002
6	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.001	0.0	0.0	0.0	0.145	0.001	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.005	0.009	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
17	0.011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.027	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.008	0.0	0.0	0.0	0.0	0.0	0.022	0.0	0.0	0.0	0.0	0.0
25	1.703	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0
26	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0572	0.0	0.0013	0.0	0.0047	0.0	0.0010	0.0003	0.0	0.0002	0.0	0.0002
INCHES	2.200	0.0	0.051	0.0	0.182	0.002	0.037	0.011	0.0	0.007	0.0	0.008
STA AV	0.501	0.346	0.748	0.393	0.333	0.188	0.327	0.270	0.030	0.060	0.308	0.247

Station Averages: 39 yr beginning 1940.
Conversion Factor: CFS to IN/DAY, multiply by 1.239669.

1979 MEAN DAILY DISCHARGE (CFS) WATKINSVILLE, GEORGIA WATERSHED W-1 (10001)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0
2	0.037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
3	0.0	0.0	0.001	0.0	0.0	0.042	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.085	0.106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.059	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.003	0.002	0.0	0.0	0.0	0.125	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.041	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0
12	0.0	0.0	0.0	0.029	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.006	0.0	0.0	1.801	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.293	0.034	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.039	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.029	0.034	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.029	0.508	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.373	0.0	0.002	0.0	0.0	0.0	0.012	0.0	0.0	0.003	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.028	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.129		0.0	0.0		0.0		0.0
MEAN	0.0134	0.0382	0.0031	0.0664	0.0051	0.0055	0.0	0.0004	0.0	0.0	0.0003	0.0
INCHES	0.513	1.325	0.118	2.471	0.194	0.206	0.0	0.016	0.0	0.0	0.011	0.0
STA AV	0.501	0.370	0.732	0.445	0.330	0.189	0.319	0.264	0.029	0.058	0.300	0.241

Station Averages: 40 yr beginning 1940.
Conversion Factor: CFS to IN/DAY, multiply by 1.239669.

1978 SELECTED RUNOFF EVENT WATKINSVILLE, GEORGIA WATERSHED W-1 (10001)

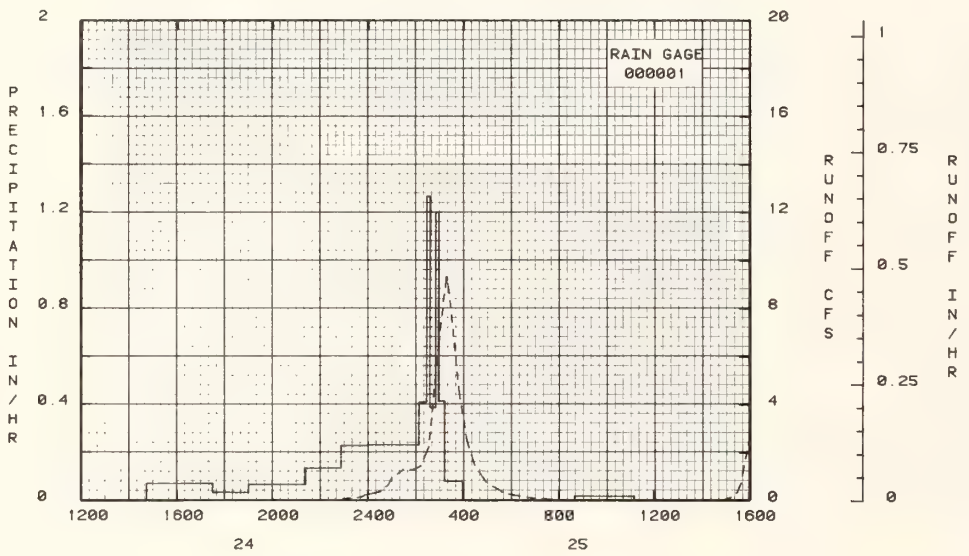
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JANUARY 24 - 25, 1978						
	RG 000001			RG 000001						
1-24	0.0	0.0	1-24	1400	0.0	0.0	1-24	2000	0.0	0.0
				1443	0.0	0.0		2046	0.020	0.0004
				1730	0.0719	0.20		2057	0.013	0.0006
				1900	0.0333	0.25		2118	0.009	0.0008
				1945	0.0667	0.30		2214	0.011	0.0012
WATERSHED CONDITIONS:										
Dormant Coastal				2123	0.0673	0.41		2222	0.016	0.0018
Bermudagrass.				2252	0.1348	0.61		2343	0.149	0.0071
Excellent cover.				2400	0.2294	0.87		2354	0.252	0.0090
			1-25	209	0.2326	1.37		2400	0.264	0.0103
				228	0.4105	1.50	1-25	32	0.397	0.0194
				237	1.2667	1.69		50	0.626	0.0273
				251	0.3857	1.78		100	0.933	0.0340
				258	1.2000	1.92		129	1.302	0.0619
				314	0.4125	2.03		155	1.281	0.0909
				400	0.0783	2.09		214	1.449	0.1132
				840	0.0	2.09		234	2.245	0.1450
				1111	0.0199	2.14		252	5.348	0.2038
								300	6.799	0.2456
								318	9.309	0.3704
								325	8.624	0.4245
								350	4.516	0.5659
								410	2.474	0.6261
								430	1.442	0.6598
								459	0.752	0.6872
								538	0.364	0.7059
								605	0.232	0.7128
								701	0.081	0.7204
								754	0.033	0.7230
								850	0.013	0.7241
								1104	0.0	0.7248

Conversion Factor: CFS to IN/HR, multiply by 0.051653.

1978 SELECTED RUNOFF EVENT — WATKINSVILLE, GEORGIA WATERSHED W-1 (10001)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 24 - 25, 1978 (CONTINUED)							
							1-25	1200	0.0	0.7248

Conversion Factor: CFS to IN/HR, multiply by 0.051653.



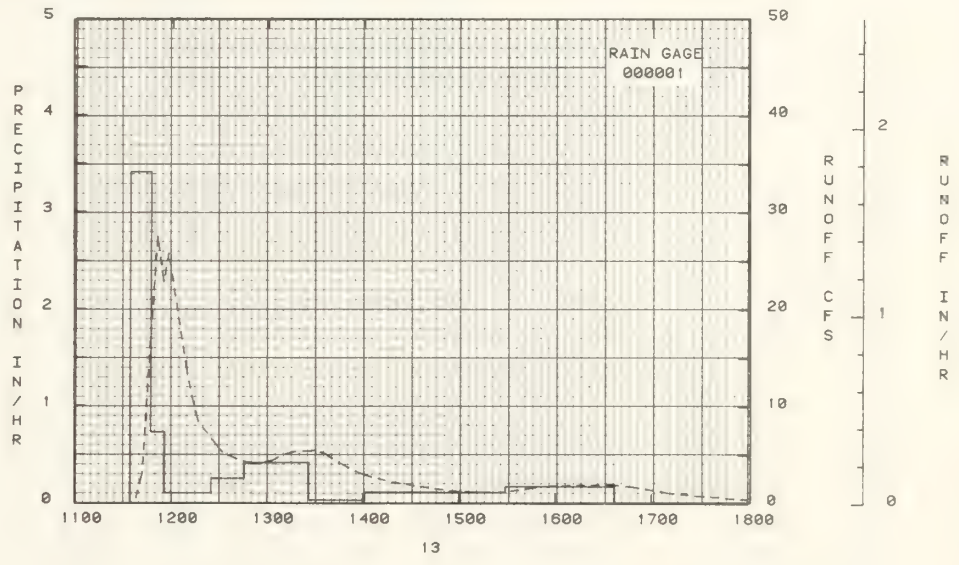
EVENT OF JANUARY 24 - 25, 1978

WATKINSVILLE, GEORGIA WATERSHED W-1 (10001)

1979 SELECTED RUNOFF EVENT — WATKINSVILLE, GEORGIA WATERSHED W-1 (10001)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 13, 1979							
RG 000001			RG 000001							
4-13	1.70	0.909	4-13	1134	0.0	0.0	4-13	1138	0.552	0.0
				1147	3.4153	0.74		1142	3.257	0.0066
				1156	0.7333	0.85		1148	19.806	0.0661
				1225	0.1035	0.90		1151	27.535	0.1272
				1246	0.2571	0.99		1155	22.807	0.2139
WATERSHED CONDITIONS:										
Dormant Coastal				1326	0.4200	1.27		1158	25.781	0.2767
Bermudagrass.				1401	0.0343	1.29		1210	13.313	0.4786
Excellent cover.				1529	0.1159	1.46		1213	10.894	0.5099
				1637	0.1765	1.66		1217	8.404	0.5431
				1700	0.0	1.66		1227	6.314	0.6064
								1232	5.253	0.6313
								1237	4.853	0.6531
								1247	4.205	0.6921
								1255	4.080	0.7206
								1303	4.435	0.7499
								1313	5.191	0.7913
								1318	5.390	0.8141
								1329	5.449	0.8654
								1335	5.201	0.8929
								1341	4.596	0.9182
								1351	3.645	0.9537
								1359	3.061	0.9768
								1405	2.713	0.9917
								1423	2.075	1.0288
								1455	1.274	1.0749
								1508	1.186	1.0887
								1520	1.151	1.1008
								1528	1.201	1.1089
								1548	1.711	1.1340
								1600	1.884	1.1525
								1635	1.990	1.2109
								1652	1.634	1.2374
								1714	1.032	1.2527
								1733	0.770	1.2774

Conversion Factor: CFS to IN/HR, multiply by 0.051653.



EVENT OF APRIL 13, 1979

WATKINSVILLE, GEORGIA WATERSHED W-1 (10001)

LOCATION: Northumberland County, Pennsylvania 6 miles northeast of Klingerstown, Pennsylvania: Mahantango Creek Watershed, Susquehanna River Basin. Lat. 40 deg. 42 min. 16 sec. N.; Long. 76 deg. 35 min. 16 sec. W.

AREA: 1773.00 acres 2.77 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) KLINGERSTOWN, PENNSYLVANIA WATERSHED WE-38

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.95	0.91	2.95	1.95	5.73	3.23	5.08	5.23	2.90	1.49	1.04	3.73	37.19
1978	Q	5.036	0.804	5.680	1.606	3.468	0.826	0.551	0.927	0.227	0.233	0.188	1.334	20.881
	P	8.02	3.15	3.04	2.50	5.80	1.91	2.85	2.27	6.89	5.04	4.49	2.25	48.21
1979	Q	7.431	3.129	3.523	1.815	2.607	0.911	0.296	0.432	2.212	2.630	3.458	1.955	30.399
STA AV	P	2.90	2.16	3.27	2.94	4.34	5.48	3.71	3.35	5.06	3.22	3.41	3.30	43.14
	Q	2.646	2.509	3.467	2.222	1.918	2.229	0.708	0.479	1.356	1.407	1.612	2.632	23.185

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	1-26	0.170	1-26	0.167	1-26	0.331	1-26	0.892	1-26	1.454	1-25	1.903	1-25	2.306	1-25	2.999
1979	1-24	0.257	1-24	0.229	1-24	0.411	1-24	1.073	1-24	1.999	1-24	2.564	1-24	2.875	1-21	4.304
MAXIMUMS FOR PERIOD OF RECORD																
	6-22 1972	0.917	6-22 1972	0.786	6-22 1972	1.484	6-22 1972	3.411	6-22 1972	6.373	6-22 1972	10.432	6-22 1972	12.378	6-21 1972	14.330

Watershed Conditions: Mixed cover area, 4-yr rotation of corn, small grain, small grain and native grasses, most of which is heavily contoured. Vegetative cover: corn, 20.4%; small grain, 20.0%; pasture, 4.0%; hay, 12.9%; vegetables, 0.7%; idle, 0.6%; orchard, 0.5%; homesteads and roads, 3.1%; forest, 37.8%.
Maps: Topographic/Geologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1968, USDA Misc. Pub. 1330, pp. 16.006-8 and 16.006-9.
Precipitation: Records began Jan. 1, 1968. Thiessen weighted average for rain gages MB37 and MB37.
Runoff: Records began Jan. 1, 1968.
Long-Term Precipitation: National Weather Service records at Selinsgrove, CAA Airport, Pennsylvania.

1978 DAILY AIR TEMPERATURE (DEGREES F) KLINGERSTOWN, PENNSYLVANIA WATERSHED WE-38

Day	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min
1	40	18	21	12	32	14	55	40	57	25	82	59	83	49	65	59	71	60	63	51	59	30	42	20
2	30	22	23	14	32	9	79	35	52	28	81	57	65	54	78	58	75	48	67	47	55	22	42	21
3	29	12	28	13	29	14	46	27	61	35	86	59	63	56	78	64	78	52	56	29	59	30	45	26
4	22	4	24	1	23	18	36	29	64	31	69	44	61	52	84	65	76	53	61	52	66	30	55	27
5	31	9	22	-2	29	4	51	36	53	40	68	50	64	51	81	61	73	44	61	43	56	30	61	32
6	38	30	18	7	26	5	54	31	45	40	74	42	78	54	73	67	81	52	60	47	67	33	46	21
7	46	33	19	15	32	11	46	40	55	45	71	56	82	55	84	68	85	63	60	47	70	36	52	23
8	42	33	25	19	34	20	68	41	62	47	71	63	84	60	80	66	84	55	53	29	47	37	51	30
9	59	24	30	-3	28	22	57	28	54	46	74	64	86	64	79	56	64	54	49	27	44	20	51	34
10	24	6	30	0	39	30	54	31	71	46	72	46	86	60	80	63	71	41	NR	28	55	25	34	17
11	15	9	29	1	46	25	63	45	59	40	76	50	82	52	79	61	68	55	66	35	65	36	21	9
12	21	8	30	6	47	33	63	43	71	54	80	60	72	43	77	63	78	48	68	42	56	33	26	16
13	28	19	32	17	45	27	68	40	73	57	82	68	78	47	81	65	81	52	71	50	50	37	33	24
14	29	24	31	23	43	35	70	40	63	52	61	43	80	65	85	63	69	51	70	50	50	37	48	25
15	25	10	32	10	51	38	52	31	62	52	64	40	77	58	88	61	65	55	50	32	61	39	31	18
16	22	8	31	6	43	33	51	29	54	49	72	45	84	63	86	68	75	48	47	26	48	37	49	21
17	22	18	38	19	39	23	49	28	54	51	75	59	80	60	88	67	77	48	49	33	45	36	50	26
18	33	20	38	19	37	21	59	31	56	52	63	60	76	55	84	54	74	56	51	22	60	39	35	19
19	32	14	34	7	36	25	59	40	66	47	85	63	82	53	82	56	85	67	52	33	41	38	40	14
20	26	16	25	-8	51	30	48	42	78	50	81	51	85	67	87	65	72	58	54	42	48	23	28	18
21	27	16	31	3	47	37	51	42	85	59	84	64	85	62	75	46	70	55	54	28	42	32	37	22
22	24	16	27	3	63	39	45	34	73	39	81	63	89	58	78	45	84	60	67	34	37	29	36	24
23	28	-1	26	9	54	40	57	28	75	44	78	49	91	58	81	48	64	13	73	40	33	30	37	16
24	30	-1	31	10	60	39	60	42	72	53	80	50	91	65	84	53	67	39	71	31	43	31	39	17
25	34	6	33	23	44	29	56	30	61	54	77	49	78	62	85	65	66	46	50	32	44	33	35	29
26	56	33	39	25	33	27	65	42	82	51	82	67	69	62	83	60	67	33	59	39	37	19	35	15
27	39	14	33	14	41	33	60	40	87	56	76	68	78	69	80	54	63	38	56	42	29	17	33	19
28	20	12	28	3	49	39	65	41	77	62	90	64	87	62	73	59	66	47	52	26	33	19	25	15
29	19	14			59	40	65	36	80	61	83	58	79	48	80	67	61	28	60	29	36	17	26	7
30	22	16			56	28	70	43	79	54	86	57	70	61	84	63	62	43	54	22	34	21	28	11
31	27	7			48	26			84	59			73	56	77	66			54	27			34	18
AV.	30	15	29	10	42	26	57	36	67	48	77	56	79	57	81	61	72	49	59	36	49	30	39	20
MEAN	22.8		19.2		34.1		46.8		57.2		66.2		68.1		70.6		60.6		47.1		39.5		29.7	
STA AV	33	18	35	19	46	29	59	38	67	48	76	57	81	61	80	60	73	52	60	41	48	33	37	25

Station Averages: 11 yr beginning 1968.
Notes: Data taken from hygrothermograph charts, from 2400 the preceding day to 2400 the date shown. Data recorded at MD38 meteorological station.

Cooperative Research Project with USDA, Soil Conservation Service, The Pennsylvania State University Agricultural Experiment Station, and the Institute for Research on Land and Water Resources of the Pennsylvania State University

1979 DAILY AIR TEMPERATURE (DEGREES F) KLINGERSTOWN, PENNSYLVANIA WATERSHED WB-38

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	52	36	29	18	53	31	72	48	67	34	78	62	80	63	86	68	83	52	65	60	55	40	32	17
2	60	39	27	19	49	33	55	39	60	30	77	65	80	60	90	70	80	60	68	60	60	50	34	19
3	39	4	30	13	47	32	47	42	66	42	74	65	71	59	94	67	83	66	71	52	55	41	45	19
4	20	3	32	15	46	38	50	31	64	51	72	55	80	48	88	61	83	60	60	46	48	25	37	17
5	25	10	36	9	56	42	45	37	62	41	79	53	60	48	87	62	87	66	67	57	48	23	40	14
6	30	19	20	6	57	41	49	28	63	39	81	54	64	36	88	64	80	71	64	39	53	30	52	29
7	33	22	21	11	45	29	39	27	69	46	74	58	74	43	84	49	80	61	59	43	51	40	50	32
8	39	27	22	17	49	24	43	21	78	54	82	69	80	47	79	64	80	57	50	40	51	25	45	36
9	29	6	22	5	50	23	41	33	86	55	81	66	83	52	86	62	66	49	48	46	51	41	41	20
10	21	7	14	-8	53	40	46	33	90	59	84	69	81	64	86	63	69	40	61	38	58	51	41	27
11	26	10	13	-3	47	27	51	27	92	58	78	58	75	61	89	62	73	53	44	33	56	33	50	32
12	21	5	13	-8	30	19	61	36	86	60	62	44	84	64	62	57	74	41	51	39	45	37	62	35
13	31	13	12	0	39	18	52	42	75	62	67	37	88	60	66	51	77	53	53	39	47	32	64	33
14	37	31	13	-2	53	39	45	36	70	53	71	39	91	70	74	53	74	54	50	33	45	38	36	29
15	39	13	14	3	49	16	57	38	72	44	77	48	88	63	70	52	79	50	50	30	42	27	35	17
16	31	15	23	16	31	12	52	37	76	44	86	55	89	71	66	53	67	41	58	30	38	34	42	30
17	32	16	21	-3	46	21	47	38	65	44	89	59	86	66	71	40	72	44	62	38	46	22	49	16
18	32	12	11	-8	58	33	55	34	70	38	82	64	88	65	72	53	74	45	65	43	59	31	24	13
19	23	5	31	3	56	19	59	28	70	57	80	54	82	57	67	60	75	55	71	42	65	32	27	19
20	19	14	40	-3	54	31	60	27	68	57	79	51	84	60	83	55	63	31	70	52	66	38	25	19
21	42	19	42	14	59	30	65	30	72	55	78	50	78	62	82	62	64	49	77	51	66	31	34	13
22	36	31	46	30	64	29	74	46	62	49	73	56	82	60	78	52	63	58	80	52	62	42	37	27
23	33	22	50	27	69	34	78	50	70	50	76	56	84	64	82	56	64	49	86	64	60	45	41	35
24	42	31	39	34	66	52	78	45	64	58	79	51	86	65	73	67	77	37	71	34	68	59	47	41
25	46	27	40	37	54	41	71	53	63	56	65	42	89	67	85	71	65	40	48	41	64	56	59	44
26	37	27	42	34	45	30	77	61	66	43	74	39	85	70	86	62	70	44	48	30	68	63	46	37
27	37	33	36	28	34	28	67	57	58	42	75	48	84	64	79	73	73	43	42	35	66	35	38	32
28	38	24	36	27	42	18	61	33	60	50	77	50	78	57	83	62	76	53	47	35	52	36	39	31
29	38	33			46	36	66	40	68	47	78	47	78	63	84	70	65	60	49	39	52	25	45	35
30	35	29			59	45	60	30	69	46	77	63	75	64	80	64	73	60	50	27	31	18	47	23
31	31	25			74	49			74	54			83	64	85	59			54	30			46	23
AV.	34	20	28	12	51	31	57	38	70	49	77	54	81	60	80	60	74	51	60	42	54	37	42	26
MEAN	26.9		19.9		41.0		47.5		59.6		65.6		70.5		70.0		62.5		50.6		45.5		34.1	
STA AV	33	18	34	18	46	29	59	38	67	48	76	57	81	61	80	60	73	52	60	41	49	33	37	25

Station Averages: 12 yr beginning 1968.
Notes: Data taken from hygrothermograph charts, from 2400 the preceding day to 2400 the date shown. Data recorded at MB38 meteorological station.

1978 DAILY PRECIPITATION (INCHES) KLINGERSTOWN, PENNSYLVANIA WATERSHED WB-38

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.05	0.0 E	0.05E	0.05	0.0 E	0.05E	0.0 E	0.05E	0.0	0.0	0.0	0.09E
2	0.05	0.0 E	0.0 E	0.0	0.0 E	0.40E	0.51E	0.05E	0.0	0.0	0.0 E	0.0 E
3	0.0	0.0 E	0.05E	0.10	0.0 E	0.0 E	0.79E	0.70E	0.0	0.0	0.0 E	0.0 E
4	0.0	0.0 E	0.05E	0.45	0.0 E	0.0 E	0.05E	0.15E	0.0	0.43	0.0 E	0.0 E
5	0.0	0.05E	0.0 E	0.0	0.40E	0.0 E	0.0 E	0.0 E	0.0	0.16	0.0 E	0.03E
6	0.0	0.56E	0.0 E	0.15	0.05E	0.0 E	0.0 E	0.20E	0.0	0.0	0.0 E	0.0
7	0.05	0.05E	0.0 E	0.05	0.0 E	0.15E	0.0 E	0.50E	0.0	0.0	0.0 E	0.59
8	0.61	0.0 E	0.0 E	0.0	0.30E	0.0 E	0.0 E	0.0 E	0.25	0.0	0.0 E	0.71
9	0.37	0.0 E	0.0 E	0.0	0.10E	0.34E	0.05E	0.0 E	0.0	0.0	0.05E	0.50
10	0.0	0.0 E	0.0 E	0.0	0.0 E	0.0 E	0.0 E	0.89E	0.05	0.0	0.0 E	0.0
11	0.0	0.0 E	0.0 E	0.25	0.0 E	0.0 E	0.0 E	0.89E	0.0	0.05	0.0 E	0.0
12	0.0	0.0 E	0.0 E	0.0	0.0 E	0.05E	0.0 E	0.10E	0.05	0.0	0.0 E	0.0
13	0.23	0.05E	0.0 E	0.0	0.94E	1.29E	0.05E	0.0 E	0.0	0.16	0.05E	0.0
14	0.05	0.10E	0.50E	0.0	1.15E	0.0 E	2.07E	0.0 E	0.0	0.11	0.14E	0.0
15	0.0	0.0 E	0.0 E	0.0	0.05E	0.0 E	0.15E	0.0 E	0.30	0.0	0.05E	0.0
16	0.0	0.0 E	0.25E	0.0	0.75E	0.0 E	0.16E	0.0 E	0.0	0.05	0.11E	0.05
17	0.28	0.0 E	0.05	0.0 E	0.35E	0.05E	0.0 E	0.0 E	0.0	0.0	0.16E	0.0
18	0.05	0.10E	0.0	0.0 E	0.15E	0.15E	0.0 E	0.0 E	0.35	0.0	0.05E	0.0
19	0.0	0.0 E	0.0	0.25E	0.0 E	0.0 E	0.0 E	0.0 E	0.35	0.0	0.0 E	0.0
20	0.23	0.0 E	0.0	0.55E	0.0 E	0.0 E	0.0 E	0.0 E	0.0 E	0.0	0.09E	0.20
21	0.0	0.0 E	0.05	0.0 E	0.0 E	0.40E	0.0 E	0.0 E	0.05E	0.0	0.05E	0.20
22	0.0	0.0 E	0.0	0.05E	0.0 E	0.21E	0.0 E	0.05	0.19E	0.0	0.0 E	0.0
23	0.0	0.0 E	0.05	0.0 E	0.43E	0.0 E	0.15E	0.0	0.0 E	0.05	0.0 E	0.0
24	0.0	0.0 E	0.05	0.0 E	0.67E	0.0 E	0.0 E	0.0	0.0 E	0.0	0.09E	0.70
25	0.51	0.0 E	0.20	0.0 E	0.0 E	0.0 E	0.20E	0.55	0.0 E	0.0	0.05E	0.40
26	0.47	0.0 E	0.95	0.0 E	0.0 E	0.0 E	0.0 E	0.0	0.0 E	0.43	0.05E	0.0
27	0.0	0.0 E	0.70	0.0 E	0.0 E	0.05E	0.10E	0.45	0.0 E	0.0	0.05E	0.0
28	0.0	0.0 E	0.0	0.05E	0.0 E	0.0 E	0.05E	0.10	0.56E	0.0	0.0 E	0.0
29	0.0		0.0	0.0 E	0.39E	0.0 E	0.05E	0.0	0.75E	0.0	0.0 E	0.0
30	0.0		0.0	0.0 E	0.0 E	0.0 E	0.0 E	0.0	0.0	0.0	0.05E	0.0
31	0.0 E		0.0		0.0 E		0.70E	0.55		0.05		0.20
TOTAL	2.95	0.91	2.95	1.95	5.73	3.23	5.08	5.23	2.90	1.49	1.04	3.73
STA AV	2.43	2.06	3.30	2.98	4.21	5.80	3.79	3.45	4.89	3.05	3.31	3.39

Gaging: Thiesser weighted average of rain gages MB37 and MB37.
Station Averages: 11 yr beginning 1968.

1979 DAILY PRECIPITATION (INCHES) KLINGERSTOWN, PENNSYLVANIA WATERSHED WE-38

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.65	0.0 E	0.0 E	0.05E	0.0	0.21	0.15E	0.0	0.0	1.20	0.0 E	0.0 E
2	1.10	0.0 E	0.0 E	0.20E	0.0	0.05	0.0 E	0.27	0.25	0.0	1.80E	0.0 E
3	0.0	0.0 E	0.0 E	0.0 E	0.50	0.20	0.0 E	0.0	0.15	1.69	0.30E	0.0 E
4	0.0	0.0 E	0.09E	0.45E	0.0	0.05	0.35E	0.0	0.0	0.0	0.0 E	0.0 E
5	0.0	0.0 E	0.51E	0.0 E	0.05	0.31	0.05E	0.0	1.51	0.40	0.0 E	0.0 E
6	0.05	0.0 E	0.63E	0.0 E	0.0	0.0	0.0 E	0.0	1.74	0.05	0.0 E	0.0 E
7	1.39	0.25E	0.11E	0.0 E	0.0	0.0	0.05E	0.0	0.0	0.25	0.0 E	0.0 E
8	0.30	0.0 E	0.0 E	0.10E	0.0	0.0	0.0 E	0.05	0.0	0.0	0.0 E	0.0 E
9	0.0	0.0 E	0.0 E	0.50E	0.0	0.05	0.0 E	0.0	0.0	0.10	0.10E	0.0 E
10	0.0	0.0 E	0.40E	0.05E	0.05	0.0	0.0 E	0.21	0.0	0.05	0.15E	0.0 E
11	0.0	0.0 E	0.05E	0.0 E	0.0	0.20E	0.0 E	0.43	0.0	0.0	0.0 E	0.05E
12	0.05	0.10E	0.0 E	0.15E	0.0	0.0 E	0.15E	0.48	0.0	0.10	0.0 E	0.30E
13	0.10	0.0 E	0.0 E	0.0 E	0.10	0.0 E	0.0 E	0.0	0.0	0.0	0.10E	0.55E
14	0.20	0.05E	0.05E	0.40E	0.05	0.0 E	0.41E	0.0	0.89	0.0	0.0 E	0.0 E
15	0.0	0.05E	0.0 E	0.0 E	0.15	0.0 E	0.0 E	0.0	0.0	0.0	0.05E	0.0 E
16	0.0	0.05E	0.0 E	0.10	0.0	0.0 E	0.24E	0.0	0.0	0.0	0.0 E	0.0 E
17	0.0	0.0 E	0.0 E	0.0	0.0	0.05E	0.0 E	0.0	0.0	0.05E	0.05E	0.0 E
18	0.0	0.0 E	0.0 E	0.0	0.20	0.0 E	0.20E	0.43	0.0	0.05E	0.0 E	0.0 E
19	0.0	0.35E	0.0 E	0.0	0.10	0.0 E	0.0 E	0.0	0.0	0.0 E	0.0 E	0.10E
20	0.69	0.0 E	0.0 E	0.0	0.0	0.0 E	0.0 E	0.0	0.0	0.0 E	0.0 E	0.05E
21	1.30	0.0 E	0.0 E	0.05	0.20	0.0 E	0.0 E	0.05	1.95	0.0 E	0.0 E	0.0 E
22	0.0	0.10E	0.0 E	0.0	0.10	0.0 E	0.0 E	0.0	0.15	0.0 E	0.0 E	0.0 E
23	0.0 E	0.30E	0.05E	0.0	1.30	0.0 E	0.0 E	0.05	0.0	0.70E	0.0 E	0.0 E
24	2.09E	0.75E	0.75E	0.0	1.46	0.0 E	0.0	0.25	0.0	0.0 E	0.60E	0.25E
25	0.0 E	0.50E	0.05E	0.0	0.69	0.0 E	0.0	0.05	0.0	0.0 E	0.10E	0.95E
26	0.10E	0.55E	0.0 E	0.0	0.15	0.0 E	0.32	0.0	0.0	0.0 E	1.24E	0.0 E
27	0.0 E	0.05E	0.0 E	0.45	0.40	0.0 E	0.0	0.0	0.0	0.0 E	0.0 E	0.0 E
28	0.0 E	0.05E	0.0 E	0.0	0.10	0.09E	0.14	0.0	0.20	0.40E	0.0 E	0.0 E
29	0.0 E		0.10E	0.0	0.0	0.65E	0.74	0.0	0.05	0.0 E	0.0 E	0.0 E
30	0.0 E		0.05E	0.0	0.20	0.05E	0.05	0.0	0.0	0.0 E	0.0 E	0.0 E
31	0.0 E		0.20E		0.0		0.0	0.0		0.0 E		0.0 E
TOTAL	8.02	3.15	3.04	2.50	5.80	1.91	2.85	2.27	6.89	5.04	4.49	2.25
STA AV	2.90	2.16	3.27	2.94	4.34	5.48	3.71	3.35	5.06	3.22	3.41	3.30

Gaging: Thiessen weighted average of rain gages ME37 and ME37.
Station Averages: 12 yr beginning 1968.

1978 MEAN DAILY DISCHARGE (CFS) KLINGERSTOWN, PENNSYLVANIA WATERSHED WE-38

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.36	5.14	1.09	8.44	2.33	3.43	0.82	0.93	0.95	0.35	0.58	0.78
2	3.93	4.49	1.04	6.80	2.15	3.16	0.84	0.76	0.81	0.34	0.53	0.73
3	3.25	3.87	1.07	5.90	1.98	3.35	2.38	1.40	0.78	0.33	0.49	0.82
4	3.00	3.35	1.03	6.26	1.92	2.71	1.47	1.46	0.72	0.82	0.45	1.71
5	2.73	3.18	1.08	6.19	2.54	2.39	1.12	1.01	0.65	0.84	0.45	1.66
6	2.68	2.47	1.00	5.32	2.07	2.05	0.99	0.95	0.61	1.03	0.45	1.56
7	2.52	3.15	0.97	5.47	1.78	2.00	0.92	1.72	0.58	0.59	0.45	1.32
8	6.13	2.84	0.92	4.69	1.97	1.91	0.88	1.44	0.72	0.53	0.42	3.82
9	44.33	2.46	0.98	4.38	2.74	2.30	0.86	1.17	0.57	0.44	0.41	11.27
10	19.27	2.36	1.20	4.19	2.11	1.66	0.81	2.44	0.53	0.39	0.40	10.40
11	10.74	2.32	1.62	4.34	1.98	1.48	0.70	9.38	0.53	0.37	0.37	6.11
12	7.81	1.95	2.59	3.99	1.97	1.39	0.65	11.69	0.53	0.38	0.37	4.21
13	6.86	1.81	10.19	3.49	3.76	6.71	0.62	6.12	0.46	0.43	0.37	3.37
14	6.35	1.78	62.65	3.11	35.43	3.59	0.74	3.83	0.42	0.90	0.37	2.68
15	5.04	1.61	35.72	2.91	24.67	2.63	9.39	2.91	0.62	0.52	0.37	2.13
16	4.18	1.56	18.70	2.65	17.76	2.05	2.78	2.24	0.54	0.46	0.40	1.78
17	3.78	1.56	12.38	2.52	18.19	1.82	1.85	1.91	0.48	0.46	0.43	1.66
18	3.77	1.50	9.68	2.38	22.13	1.63	1.37	1.91	0.56	0.41	0.70	1.42
19	3.19	1.38	18.72	2.63	18.09	1.57	1.15	1.91	1.04	0.45	0.43	1.27
20	3.25	1.41	17.79	4.15	13.05	1.35	1.06	1.91	0.63	0.43	0.38	1.25
21	3.03	1.34	15.85	3.26	10.04	1.49	0.99	0.94	0.54	0.40	0.37	1.90
22	2.48	1.31	21.19	2.97	7.85	2.11	0.92	0.99	0.61	0.37	0.37	1.34
23	2.45	1.25	16.89	3.08	6.71	1.41	0.90	0.93	0.48	0.37	0.48	1.14
24	2.44	1.22	14.22	3.32	10.60	1.23	0.82	0.90	0.41	0.37	0.60	1.89
25	7.99	1.22	10.86	3.21	9.08	1.13	0.91	1.46	0.39	0.33	0.45	9.26
26	141.24	1.19	18.93	3.09	8.22	1.11	0.81	1.02	0.37	0.77	0.41	7.01
27	30.55	1.10	56.61	2.99	7.09	1.07	0.79	1.22	0.37	1.53	0.44	5.05
28	14.58	1.10	27.54	2.81	6.05	0.99	0.72	1.19	0.35	0.85	0.65	3.65
29	9.63		18.39	2.65	5.46	0.93	0.71	0.97	0.34	0.71	0.61	3.18
30	7.40		12.47	2.48	4.65	0.89	0.64	0.87	0.34	0.62	0.82	2.43
31	6.19		9.81		3.97		1.41	1.53		0.60		2.60
MEAN	12.100	2.140	13.649	3.988	8.333	2.051	1.323	2.228	0.564	0.561	0.467	3.206
INCHES	5.036	0.804	5.680	1.606	3.468	0.826	0.551	0.927	0.227	0.233	0.188	1.334
STA AV	2.211	2.453	3.462	2.259	1.855	2.349	0.746	0.483	1.278	1.296	1.444	2.694

Conversion Factor: CFS to IN/DAY, multiply by 0.013425.
Station Averages: 11 yr beginning 1968.
Notes: Records are good. Some periods of winter records are affected by ice on control, but no adjustments were made for these records.

1979 MEAN DAILY DISCHARGE (CFS) KLINGERSTOWN, PENNSYLVANIA WATERSHED WE-38

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	9.89	3.87	7.71	3.30	1.81	6.95	0.97	0.69	0.46	10.53	1.79	5.79
2	34.82	3.32	7.41	3.50	1.69	5.83	0.95	1.28	0.61	11.31	19.53	4.83
3	27.56	2.91	6.98	3.48	2.13	5.25	0.80	0.89	0.66	52.59	50.81	4.04
4	12.70	2.61	8.32	4.35	2.44	4.62	1.00	0.69	0.50	23.08	21.15	3.81
5	7.89	2.08	32.48	6.88	1.95	4.21	0.82	0.55	0.96	12.87	11.68	3.45
6	6.33	2.06	39.91	7.29	1.82	3.72	0.69	0.52	45.75	9.23	8.60	3.25
7	16.84	1.89	18.84	6.15	1.78	3.27	0.64	0.44	15.44	8.55	7.02	2.96
8	33.34	1.78	14.01	5.26	1.72	2.95	0.60	0.44	7.08	6.87	5.68	2.52
9	15.61	1.83	10.01	6.60	1.67	2.65	0.59	0.36	4.18	5.94	4.86	2.21
10	9.38	1.63	10.19	6.16	1.64	2.46	0.61	0.59	3.10	5.03	4.61	2.09
11	6.83	1.37	12.67	5.47	1.61	2.52	0.58	1.52	2.45	4.26	3.80	1.93
12	5.50	1.45	10.31	5.84	1.52	2.05	0.57	3.84	1.85	3.91	3.29	1.89
13	5.08	1.26	7.94	5.30	1.56	1.76	0.54	2.51	1.61	3.36	3.15	4.38
14	7.33	0.82	7.12	6.75	1.43	1.59	0.72	1.71	3.40	2.86	2.93	3.27
15	4.53	1.22	5.43	6.01	1.35	1.50	0.59	1.29	2.27	2.52	2.63	2.83
16	3.44	1.18	4.45	5.92	1.26	1.47	0.67	1.04	1.66	2.28	2.46	2.93
17	3.04	1.01	4.02	5.61	1.14	1.44	0.56	0.91	1.49	2.10	2.25	2.77
18	2.46	0.95	3.67	4.91	1.22	1.36	0.63	1.80	1.43	1.90	2.06	2.61
19	2.47	1.03	3.33	4.35	1.28	1.19	0.46	1.45	1.33	1.72	1.83	2.62
20	2.21	0.99	3.16	3.91	1.18	1.12	0.45	1.11	1.17	1.66	1.75	2.39
21	57.05	1.06	2.92	3.57	1.26	1.09	0.46	1.04	8.78	1.60	1.66	2.33
22	12.26	1.86	2.68	3.35	1.23	1.11	0.42	0.93	23.27	1.51	1.66	2.42
23	8.88	6.23	2.53	3.09	3.60	1.06	0.40	0.91	12.01	2.73	1.56	2.46
24	169.94	60.54	5.69	2.90	33.57	1.00	0.39	0.90	6.55	2.83	2.43	2.91
25	39.99	54.88	6.27	2.70	28.62	0.91	0.37	0.96	4.40	2.28	3.44	18.22
26	14.89	51.65	5.43	2.55	26.40	0.83	0.59	0.76	3.36	2.05	28.24	18.13
27	9.81	12.51	4.51	3.15	21.48	0.79	0.48	0.70	2.69	1.85	25.68	11.46
28	7.65	9.12	3.83	2.65	15.58	0.84	0.39	0.63	2.40	2.66	14.29	8.14
29	6.22		3.78	2.21	12.53	1.08	2.94	0.63	2.16	2.21	9.53	6.69
30	5.14		3.41	1.99	9.80	1.24	1.24	0.56	1.81	1.84	7.25	5.61
31	4.49		3.47		7.98		0.87	0.49		1.77		4.73
MEAN	17.855	8.324	8.466	4.506	6.266	2.262	0.710	1.037	5.494	6.319	8.587	4.698
INCHES	7.431	3.129	3.523	1.815	2.607	0.911	0.296	0.432	2.212	2.630	3.458	1.955
STA AV	2.646	2.509	3.467	2.222	1.918	2.229	0.708	0.479	1.356	1.407	1.612	2.632

Conversion Factor: CFS to IN/DAY, multiply by 0.013425.
Station Averages: 12 yr beginning 1968.
Notes: Records are good. Some periods of winter records are affected by ice on control, but no adjustments were made for these records.

1978 SELECTED RUNOFF EVENT KLINGERSTOWN, PENNSYLVANIA WATERSHED WE-38

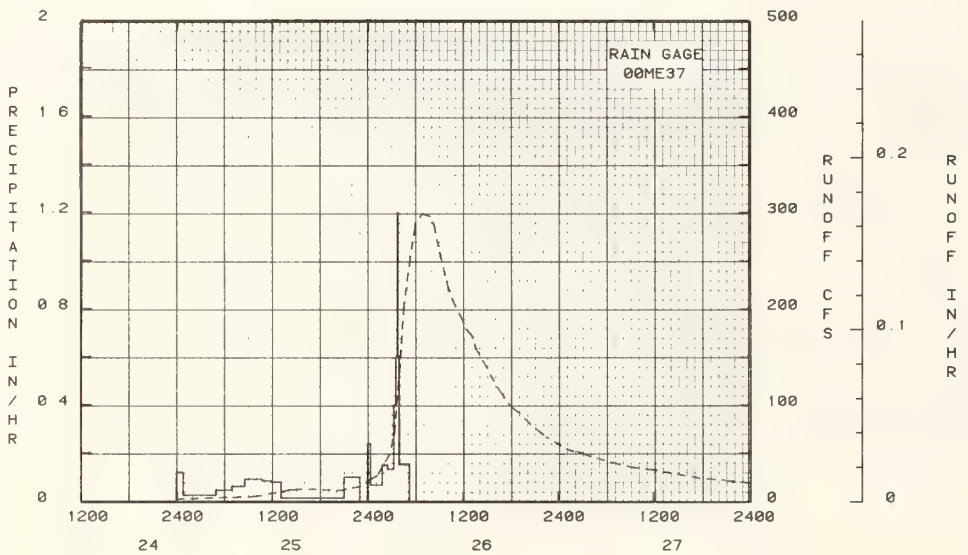
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JANUARY 24 - 27, 1978						
RG 00ME37			RG 00ME37							
1-24	0.0	0.033	1-24	2400	0.0	0.0	1-24	2400	2.333	0.0
			1-25	50	0.1200	0.10	1-25	950	5.045	0.0005
				455	0.0245	0.20		1405	11.593	0.0010
				700	0.0480	0.30		1545	12.959	0.0016
				835	0.0632	0.40		2025	11.265	0.0021
WATERSHED CONDITIONS:				940	0.0923	0.50		2305	15.579	0.0029
Mixed cover area, 4-yr rotation of corn, small grain, small grain and native grasses, most of which is heavily contoured. Vegetative cover: Corn, 20.4%; small grain, 20.0%; pasture, 4.0%; hay, 12.9%; vegetables, 0.7%; idle, 0.6%; orchard, 0.5%; homesteads and roads, 3.1%; forest, 37.8%.				1045	0.0923	0.60		2400	20.780	0.0038
				1155	0.0857	0.70	1-26	115	26.929	0.0050
				1310	0.0800	0.80		125	28.621	0.0057
				2105	0.0126	0.90		250	49.190	0.0080
				2205	0.1000	1.00		325	71.803	0.0112
				2305	0.1000	1.10		355	119.510	0.0165
				2400	0.0	1.10		440	207.150	0.0260
			1-26	25	0.2400	1.20		525	254.686	0.0377
				155	0.0667	1.30		605	288.990	0.0511
				235	0.1500	1.40		655	298.593	0.0789
				320	0.1333	1.50		750	296.175	0.0923
				335	0.4000	1.60		825	286.621	0.1057
				345	0.6000	1.70		910	256.891	0.1178
				350	1.2000	1.80		1005	225.035	0.1284
				400	0.6000	1.90		1045	209.092	0.1382
				440	0.1500	2.00		1145	192.008	0.1472
				520	0.1500	2.10		1235	177.566	0.1555
								1320	170.604	0.1714
								1340	158.828	0.1789
								1505	138.312	0.1854
								1625	118.133	0.1909
								1715	107.467	0.1959
								1810	97.415	0.2005
								1910	91.437	0.2047

Conversion Factor: CFS to IN/HR, multiply by 0.000559.

1978 SELECTED RUNOFF EVENT — KLINGERSTOWN, PENNSYLVANIA WATERSHED WE-38

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 24 - 27, 1978 (CONTINUED)							
							1-26	2030	80.170	0.2085
								2205	69.798	0.2118
								2230	66.858	0.2149
								2250	65.895	0.2166
							1-27	10	58.496	0.2181
								20	57.609	0.2196
								105	54.143	0.2210
								155	51.630	0.2223
								225	51.630	0.2236
								405	46.822	0.2258
								700	40.143	0.2277
								920	35.378	0.2293
								1230	32.198	0.2383
								1405	29.785	0.2439
								1415	29.199	0.2446
								1755	24.248	0.2457
								1855	23.732	0.2524
								2210	20.780	0.2534
								2400	19.393	0.2543

Conversion Factor: CFS to IN/HR, multiply by 0.000559.



EVENT OF JANUARY 24 - 27, 1978

KLINGERSTOWN, PENNSYLVANIA WATERSHED WE-38

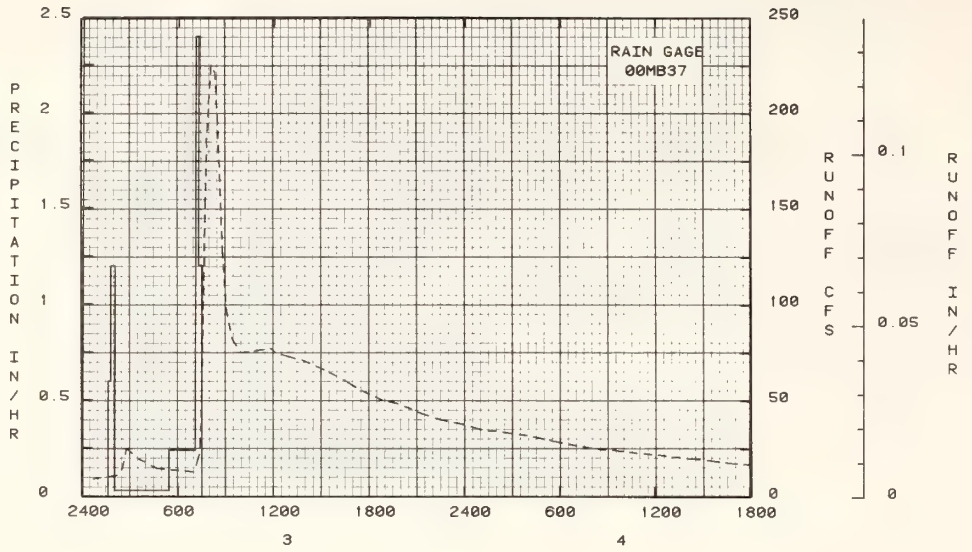
1979 SELECTED RUNOFF EVENT — KLINGERSTOWN, PENNSYLVANIA WATERSHED WE-38

EVENT OF OCTOBER 3 - 4, 1979

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
RG 00MB37			RG 00MB37							
10- 3	0.0	0.003	10- 3	135	0.0	0.0	10- 3	40	9.134	0.0
				145	0.6000	0.10		210	10.944	0.0005
				155	1.2000	0.30		230	14.420	0.0012
				200	1.1999	0.40		245	24.770	0.0023
				525	0.0293	0.50		330	19.393	0.0032
				705	0.2400	0.90		440	14.420	0.0038
				710	2.4001	1.10		700	12.608	0.0056
				715	2.4000	1.30		720	21.737	0.0065
				725	1.2000	1.50		725	30.377	0.0077
				730	1.2001	1.60		730	60.295	0.0098
								740	155.558	0.0161
								745	186.511	0.0240
								800	225.035	0.0343
								815	220.982	0.0446
								825	197.603	0.0541
								845	127.979	0.0604
								900	97.415	0.0652
								925	81.256	0.0690
								955	74.874	0.0725
								1055	75.915	0.0832
								1150	76.966	0.0867
								1205	74.874	0.0903
								1255	72.818	0.0937
								1350	70.796	0.0970
								1510	65.895	0.1001
								1630	60.295	0.1029
								1710	56.730	0.1056
								1800	53.298	0.1081
								1850	49.996	0.1104
								1950	48.393	0.1217
								2120	43.034	0.1237
								2230	40.143	0.1256
								2400	37.375	0.1308
							10- 4	105	34.727	0.1325
								235	33.448	0.1387
								430	30.977	0.1445
								610	28.050	0.1471
								800	25.300	0.1483
								1000	23.732	0.1527

WATERSHED CONDITIONS:
Mixed cover area, 4-yr rotation of corn, small grain, small grain and native grasses, most of which is heavily contoured. Vegetative cover: Corn, 20.4%; small grain, 20.0%; pasture, 4.0%; hay, 12.9%; vegetables, 0.7%; idle, 0.6%; orchard, 0.5%; homesteads and roads, 3.1%; forest, 37.8%.

Conversion Factor: CFS to IN/HR, multiply by 0.000559.



EVENT OF OCTOBER 3 - 4, 1979

KLINGERSTOWN, PENNSYLVANIA WATERSHED WE-38

LOCATION: Callaway County, Mo.; 1 mi. S.E. of McCredie; Crows Fork Creek, Auxvasse Watershed, Missouri River Basin. Lat. 38 deg. 56 min. 54 sec. N.; Long. 91 deg. 54 min. 37 sec. W.

AREA: 153.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — MCCREDIE, MISSOURI STATION RESERVOIR W-1

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	0.46	0.99	3.79	4.91	5.45	4.87	3.07	4.40	1.03	2.05	3.23	2.73	36.98
	Q	0.0	0.069	6.591	2.324	3.765	1.368	0.0	0.061	0.0	0.010	0.010	0.052	14.159
1979	P	1.82	1.60	2.95	4.13	2.24	1.10	2.18	1.57	0.36	2.36	2.08	1.42	23.81
	Q	0.093	2.981	2.293	2.090	0.224	0.0	0.0	0.0	0.0	0.013	0.0		7.694
STA AV	P	1.50	1.55	2.91	3.66	4.28	4.27	3.37	3.01	3.68	3.49	2.11	1.79	35.60
	Q	0.651	0.734	1.413	1.137	0.942	0.945	0.438	0.132	0.461	0.932	0.429	0.441	8.656

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	5-12	0.709	5-12	0.559	5-12	0.972	5-12	1.428	5-12	1.601	5-11	1.933	5-11	2.350	5- 7	3.608
1979	4-11	0.418	4-11	0.379	4-11	0.666	4-11	1.228	4-11	1.384	4-10	1.869	4-10	2.026	2-20	2.944
MAXIMUMS FOR PERIOD OF RECORD																
	10-13 1968	2.269	10-13 1968	1.365	10-13 1968	2.236	10- 4 1941	3.960	10- 4 1941	7.000	10- 4 1941	7.775	10- 3 1941	8.090	10- 2 1941	8.840

Watershed Conditions: 32% Pasture and meadow; 16% corn; 32% soybeans; 3% wheat; 11% fallow; and 6% roads and farmsteads.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1963, USDA Misc. Pub. 1164, p. 25.1-13.
Precipitation: Records began Jan. 1, 1941. Thiessen average of 3 recording gages and 2 non-recording gages.
Runoff: Records began Jan. 1, 1941. Runoff rates were computed with a constant watershed area of 153 acres, including reservoir surface area.
Long-Term Precipitation: National Weather Service records at Columbia, Missouri beginning 1890.

1978 DAILY AIR TEMPERATURE (DEGREES F) — MCCREDIE, MISSOURI STATION RESERVOIR W-1

Day	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min
1	37	16	26	18	32	20	80	53	52	40	82	65	94	73	86	69	82	55	72	46	71	47	56	36
2	32	9	25	18	28	19	70	51	60	33	74	57	94	69	83	68	86	59	80	55	73	42	54	35
3	41	10	28	10	25	17	80	56	60	40	75	55	88	71	81	67	91	63	80	45	76	43	59	25
4	47	23	30	23	21	-8	80	53	53	45	79	55	88	68	80	56	91	64	76	42	80	53	43	22
5	45	36	34	9	35	-7	70	47	50	40	80	59	91	68	77	58	88	58	75	51	78	55	56	33
6	51	34	17	-3	39	18	69	56	56	37	79	60	91	70	79	54	88	55	58	41	72	41	50	26
7	48	36	22	10	37	28	78	45	60	50	81	65	93	70	82	59	93	59	58	37	55	38	26	20
8	41	9	24	6	30	23	81	56	71	55	81	55	92	69	88	59	93	63	66	32	62	31	20	14
9	13	3	27	11	39	15	81	47	72	49	77	48	88	70	89	66	93	65	70	49	69	40	24	13
10	17	0	35	17	55	16	62	48	77	47	80	51	90	67	89	64	92	65	71	53	69	40	38	10
11	25	12	34	19	52	35	62	43	77	57	87	61	72	65	83	64	90	71	73	48	67	49	37	30
12	25	18	34	28	48	31	68	43	71	53	87	72	82	66	86	62	90	69	73	59	53	44	50	39
13	25	17	30	29	38	32	66	41	65	50	81	58	87	77	88	69	86	70	63	46	70	50	50	32
14	26	12	33	29	38	34	62	43	67	49	80	54	89	66	91	72	85	66	56	37	63	32	41	23
15	30	18	30	13	42	30	58	47	67	45	86	59	88	66	91	74	85	58	65	35	43	35	47	31
16	20	16	24	2	40	25	50	42	65	50	90	66	89	71	87	63	88	68	64	38	41	37	47	31
17	20	0	23	2	39	26	68	44	70	47	90	69	88	69	92	65	90	71	61	32	48	39	42	22
18	23	3	21	0	61	21	65	46	76	50	90	67	88	69	93	75	92	76	67	42	53	35	51	33
19	23	20	28	-4	62	34	54	39	80	55	81	59	89	72	93	62	92	73	66	38	52	29	59	37
20	24	12	29	10	66	34	46	38	80	63	81	65	91	73	83	53	92	71	76	38	37	31	56	32
21	24	0	25	8	64	32	56	38	76	52	80	59	91	74	84	57	75	55	85	48	36	31	38	22
22	32	10	32	-3	72	37	56	38	62	59	78	57	90	71	90	59	69	45	85	57	39	34	45	29
23	32	20	31	21	70	38	69	44	79	62	76	63	90	69	93	61	74	43	77	45	54	39	52	25
24	35	31	45	15	42	31	65	51	87	64	87	66	81	67	96	70	82	48	60	30	51	33	51	24
25	34	18	44	21	31	27	60	45	89	65	92	74	90	66	96	67	82	55	69	51	51	37	43	18
26	18	0	29	8	34	28	65	40	88	64	92	75	93	67	88	67	78	48	68	39	44	41	42	21
27	19	4	35	18	52	26	69	41	86	66	93	73	94	63	83	69	81	51	68	35	43	34	40	16
28	23	6	35	25	64	39	69	52	85	65	93	71	85	59	80	71	76	45	68	35	42	25	38	30
29	20	2			61	41	68	50	80	64	93	69	94	65	81	64	84	45	68	36	52	34	42	38
30	24	10			79	40	61	51	79	58	93	71	95	69	79	60	84	56	71	42	51	28	42	21
31	27	7			81	52			82	62			86	60	82	55			74	38			21	17
AV.	29	13	30	13	48	27	66	46	72	53	84	63	89	68	86	64	86	60	70	43	57	38	44	26
MEAN	21.2		21.3		37.3		56.3		62.3		73.3		78.8		75.1		72.7		56.2		47.4		34.8	
STA AV	39	20	43	23	52	30	67	43	75	52	83	61	88	65	88	63	81	55	70	45	54	33	41	24

Station Averages: 38 yr beginning 1941.
Notes: Temperature data taken daily with the maximum and minimum thermometers, except on weekends and holidays, when data are taken from hygrothermograph charts. The recording period is from 1600 of the previous day to 1600 of the day on which values are recorded.

1979 DAILY AIR TEMPERATURE (DEGREES F) MCCREDIE, MISSOURI STATION RESERVOIR W-1

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	19	13	25	-9	45	33	41	37	72	44	72	51	81	56	76	55	83	70	75	58	58	47	32	23
2	14	-1	31	10	42	29	41	38	73	54	72	55	83	62	81	59	87	68	75	51	51	34	29	12
3	24	1	30	21	60	40	47	28	63	50	78	51	89	70	88	60	90	70	68	46	48	36	46	26
4	23	10	23	1	60	30	45	39	58	46	82	51	89	70	88	66	90	67	66	45	54	29	51	27
5	13	7	22	-8	36	30	64	33	65	38	84	58	78	53	90	68	88	64	68	32	54	41	54	45
6	20	1	33	8	53	26	62	25	74	47	84	64	72	55	94	72	88	68	67	50	54	36	54	28
7	19	3	33	0	48	30	74	33	84	58	82	68	75	58	94	71	85	58	77	39	40	20	46	41
8	17	-4	13	5	45	27	74	42	90	66	82	67	78	55	95	71	15	53	88	55	43	36	44	22
9	21	5	13	-14	46	33	43	36	90	65	86	71	84	62	95	74	81	55	88	47	42	40	50	28
10	20	3	35	4	40	24	53	31	85	62	84	57	84	58	94	77	89	60	58	36	41	27	59	36
11	13	2	41	12	57	17	54	41	85	46	79	55	86	61	87	65	89	58	75	48	35	19	61	41
12	29	11	41	22	59	29	70	52	62	45	81	56	86	63	78	53	85	58	75	58	42	27	41	17
13	30	15	35	15	64	44	62	39	71	45	82	65	90	64	84	59	80	61	58	30	42	32	36	14
14	15	-7	40	32	57	28	65	44	76	49	88	65	88	74	84	58	71	49	60	29	52	25	35	16
15	23	-11	42	33	51	17	64	43	76	48	88	69	88	70	70	58	70	43	74	55	55	35	39	16
16	35	12	33	1	56	25	64	46	72	50	88	69	85	70	80	60	75	43	75	56	55	31	39	10
17	39	27	18	4	58	43	69	45	82	56	89	70	84	64	91	65	76	45	75	60	61	37	19	-3
18	33	10	21	11	68	45	69	47	82	58	90	70	80	54	94	75	85	55	74	56	65	45	42	17
19	38	29	45	6	73	53	74	53	78	60	91	68	81	54	94	74	85	49	74	61	69	58	51	31
20	37	31	43	29	69	44	80	56	76	59	90	70	82	54	93	75	77	53	86	70	69	44	54	26
21	31	22	39	35	57	35	61	50	64	51	93	66	83	57	92	69	75	60	86	73	62	49	57	37
22	41	19	48	30	69	49	65	43	72	47	93	71	85	58	92	68	71	42	62	44	61	38	57	52
23	40	23	52	35	64	42	65	55	73	52	93	68	87	64	91	70	73	44	52	38	41	31	56	54
24	23	5	38	22	42	27	69	58	63	41	88	58	84	68	84	65	82	45	56	34	49	28	38	37
25	31	-1	32	21	40	23	78	56	64	42	78	54	84	66	85	60	84	60	61	42	49	35	37	33
26	32	25	41	19	40	28	78	43	70	46	80	52	83	65	83	63	83	57	61	40	47	37	52	30
27	31	24	50	22	43	32	58	42	70	53	80	55	81	68	87	67	82	54	70	50	47	32	52	33
28	24	10	49	30	73	39	55	34	76	47	75	61	85	63	88	66	82	54	70	43	36	25	40	60
29	24	-1			71	59	60	43	80	52	80	62	86	55	88	68	81	58	66	40	26	20	40	31
30	21	13			71	60	52	40	80	56	81	56	88	70	88	71	84	55	66	57	32	18	36	32
31	20	-2			62	39			73	62			89	65	91	71			70	57			42	37
AV.	26	9	35	14	55	35	62	42	74	51	84	62	84	62	88	66	80	56	70	48	49	34	45	29
MEAN	17.7		24.4		45.2		52.2		62.9		72.8		73.0		77.0		67.7		59.3		41.6		37.1	
STA AV	39	20	43	23	52	30	67	43	75	52	83	61	88	65	88	63	81	55	70	45	54	33	41	24

Station Averages: 39 yr beginning 1941.
Notes: Temperature data taken daily with the maximum and minimum thermometers, except on weekends and holidays, when data are taken from hygrothermograph charts. The recording period is from 1600 of the previous day to 1600 of the day on which values are recorded.

1978 DAILY PRECIPITATION (INCHES) MCCREDIE, MISSOURI STATION RESERVOIR W-1

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.23	0.0	0.0	0.0	0.28	1.14	0.0	0.81	0.0	0.43
3	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.01	0.0	0.0
4	0.0	0.0	0.0	0.15	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.60	0.01	0.0	0.0	0.0	0.0	0.05	0.0	0.0
6	0.0	0.0	0.0	0.34	0.10	0.06	0.0	0.0	0.0	0.0	0.32	0.44
7	0.0	0.0	0.34	0.0	1.05	0.10	0.0	0.0	0.0	0.0	0.0	0.46
8	0.0	0.0	0.01	0.0	0.06	0.02	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.89	0.0	0.0	1.07	1.74	0.0	0.47	0.0	0.0
11	0.0	0.0	0.0	0.0	0.89	0.0	0.0	0.30	0.0	0.0	0.0	0.0
12	0.06	0.16	0.0	0.0	1.53	0.0	0.19	0.0	0.0	0.48	0.0	0.0
13	0.0	0.48	0.51	0.0	0.18	0.0	0.0	0.0	0.27	0.02	0.27	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.13	0.0	0.01	0.0
15	0.04	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.04	0.0	0.14	0.0
16	0.23	0.0	0.0	0.74	0.0	0.0	0.0	0.0	0.0	0.0	0.67	0.0
17	0.0	0.0	0.0	0.78	0.0	0.0	0.0	0.02	0.0	0.0	0.22	0.0
18	0.0	0.0	0.0	0.08	0.0	0.61	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.02	0.0	0.0	0.60	0.0	0.0	0.22	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.06	0.0	0.20	0.40	0.66	0.10	0.0	0.0	0.0	0.19	0.0
23	0.01	0.0	0.59	0.0	0.42	2.78	0.0	0.0	0.0	0.17	0.0	0.0
24	0.12	0.0	1.84	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.23	0.08	0.0	0.0	0.0	0.60	0.0	0.04	0.86	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.55	0.0
27	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0
28	0.0	0.07	0.0	0.02	0.37	0.0	0.0	0.49	0.0	0.0	0.0	0.02
29	0.0		0.0	0.53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.10
31	0.0		0.0		0.0		0.0	0.0		0.0		0.78
TOTAL	0.46	0.99	3.79	4.91	5.45	4.87	3.07	4.40	1.03	2.05	3.23	2.73
STA AV	1.49	1.55	2.90	3.64	4.33	4.35	3.40	3.05	3.77	3.52	2.11	1.80

Gaging: Thiessen weighted values for 3 recording rain gages and 2 non-recording rain gages.
Station Averages: 38 yr beginning 1941.

1979	DAILY PRECIPITATION (INCHES)							MCCREDIE, MISSOURI STATION RESERVOIR W-1				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.11	0.0	0.0	0.05	0.0	0.36	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0
6	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.03	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.11	0.0
8	0.0	0.13	0.0	0.47	0.0	0.28	0.0	0.0	0.0	0.0	0.07	0.0
9	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.38	0.0
10	0.0	0.0	0.0	0.58	0.24	0.10	0.0	0.0	0.0	0.0	0.0	0.0
11	0.03	0.0	0.0	1.74	0.74	0.0	0.71	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.36	0.0	0.05	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.07	0.05	0.0	0.0	0.0	0.0	0.23	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.71	0.0	0.98	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0
20	0.0	0.51	0.0	0.45	0.04	0.0	0.0	0.0	0.0	0.0	1.42	0.0
21	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0
22	0.0	0.67	0.93	0.0	0.0	0.0	0.0	0.22	0.0	0.29	0.0	0.12
23	0.22	0.02	0.0	0.05	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.75
24	0.0	0.0	0.02	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51
25	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.11	0.0	0.09	0.0	0.10	0.0	0.0	0.03	0.0	0.0	0.0	0.0
27	0.18	0.0	0.0	0.0	0.0	0.31	0.05	0.0	0.0	0.0	0.08	0.0
28	0.0	0.20	0.0	0.0	0.0	0.0	0.77	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.15	0.78	0.0	0.0	0.0	0.0
30	0.08		0.0	0.13	0.16	0.0	0.11	0.0	0.0	0.0	0.0	0.04
31	0.0		0.0		0.0		0.30	0.11		1.23		0.0
TOTAL	1.82	1.60	2.95	4.13	2.24	1.10	2.18	1.57	0.36	2.36	2.08	1.42
STA AV	1.50	1.55	2.91	3.66	4.28	4.27	3.37	3.01	3.68	3.49	2.11	1.79

Gaging: Thiesser weighted values for 3 recording rain gages and 2 non-recording rain gages.
Station Averages: 39 yr beginning 1941.

1978	MEAN DAILY DISCHARGE (CFS)							MCCREDIE, MISSOURI STATION RESERVOIR W-1				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.639	0.0	0.0	0.0	0.0	0.0	0.0	0.061	0.0	0.082
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.102	0.559	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.819	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	2.311	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	1.030	0.056	6.318	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.001	0.814	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.118	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	1.152	2.958	0.069	0.0	0.0	0.280	0.0	0.0	0.0	0.0
11	0.0	0.0	2.312	0.142	1.529	0.0	0.0	0.105	0.0	0.0	0.0	0.0
12	0.0	0.0	2.170	0.0	12.106	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.274	4.331	0.0	2.170	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	3.467	0.0	0.221	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	2.792	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	2.662	3.741	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.582	1.800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	1.614	2.329	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.382	0.313	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.315	0.043	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.055	0.061	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	1.220	0.0	0.394	8.543	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.070	10.291	0.0	0.0	0.289	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.971	0.0	0.0	0.018	0.0	0.012	0.0	0.0	0.065	0.0
26	0.0	0.0	0.441	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.083	3.983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.022	1.360	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.171	0.360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.144
30	0.0		0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.108
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0160	1.3568	0.5012	0.7858	0.2950	0.0	0.0128	0.0	0.0020	0.0022	0.0107
INCHES	0.0	0.069	6.501	2.324	3.765	1.368	0.0	0.061	0.0	0.010	0.010	0.052
STA AV	0.666	0.675	1.390	1.112	0.961	0.970	0.450	0.136	0.473	0.956	0.440	0.452

Conversion Factor: CFS to IN/DAY, multiply by 0.155567.
Station Averages: 38 yr beginning 1941.

1979	MEAN DAILY DISCHARGE (CFS)						MCCREDIE, MISSOURI STATION RESERVOIR W-1					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.818	0.0	0.973	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	3.660	0.0	0.179	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.476	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.096	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.168	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.413	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	1.606	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.089	0.312	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	11.972	0.296	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.006	0.0	0.0	0.828	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.161	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	1.825	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.162	0.0	1.132	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.141	0.555	0.039	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.083	0.0
21	0.0	4.309	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	7.053	1.966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.130	5.010	1.900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.589	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.161	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.184	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.686	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.742	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0194	0.6889	0.4786	0.4508	0.0467	0.0	0.0	0.0	0.0	0.0	0.0028	0.0
INCHES	0.093	2.981	2.293	2.090	0.224	0.0	0.0	0.0	0.0	0.0	0.013	0.0
STA AV	0.651	0.734	1.413	1.137	0.942	0.945	0.438	0.132	0.461	0.932	0.429	0.441

Conversion Factor: CFS to IN/DAY, multiply by 0.155567.
Station Averages: 39 yr beginning 1941.

LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Tuscarawas River, Muskingum River Basin. Lat. 40 deg. 22 min. 25 sec. N.; long. 81 deg. 47 min. 42 sec. W.

AREA: 1.26 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) COSHOCTON, OHIO WATERSHED 102

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	4.13	0.36	2.33	3.36	4.14	6.48	1.82	6.06	3.46	4.68	1.44	4.88	43.14
	Q	0.049	0.0	0.079	0.0	0.007	0.322	0.001	0.019	0.133	0.558	0.0	0.427	1.595
1979	P	3.69	2.49	2.03	4.42	4.76	3.21	4.77	6.98	6.61	1.76	2.53	1.74	44.99
	Q	0.013	0.442	0.001	0.006	0.002	0.002	0.207	0.304	1.289	0.001	0.0	0.0	2.267
STA AV	P	2.12	2.20	3.81	3.41	3.78	4.34	4.14	3.44	2.87	2.45	2.52	2.53	37.62
	Q	0.038	0.088	0.094	0.055	0.009	0.123	0.137	0.042	0.064	0.036	0.009	0.025	0.710

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	10-12	2.062	10-12	0.554	10-12	0.558	10-12	0.558	10-12	0.558	10-12	0.558	10-11	0.558	10- 5	0.558
1979	9-14	1.692	9-14	0.831	9-14	0.954	9-14	1.283	9-13	1.287	9-13	1.288	9-12	1.288	9-13	1.288
MAXIMUMS FOR PERIOD OF RECORD																
	6-12	3.640	6-12	1.310	7- 5	1.427	7- 5	2.470	7- 5	2.470	7- 5	2.470	7- 5	2.470	6-29	2.597
	1957		1957		1969		1969		1969		1969		1969		1969	

Watershed Conditions: Pasture with a cover of orchardgrass.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 26.1-4. For geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Misc. Pub. 1070, pp. 26.1-1 and 26.30-1.
Precipitation: Records began April 1937. Data from rain gage Y101.
Runoff: Records began March 20, 1937. Watershed discontinued Jan. 1, 1947 to Apr. 25, 1957 and Dec. 31, 1957 to March 29, 1960.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.

1978 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 102

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.20E	0.0	0.01S	0.0	0.0	0.0	0.04E	0.0	0.0	0.0	0.0	0.0
2	0.02S	0.0 T	0.0	0.20E	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.06E
3	0.0	0.0	0.07S	0.19	0.0	0.0	0.05E	0.12	0.0 T	0.54	0.0	1.10
4	0.0	0.0	0.0	0.23	0.50E	0.0	0.0	0.0	0.0	0.01	0.0	0.12
5	0.12S	0.10S	0.0	0.0	0.06E	0.0	0.0	0.54	0.0	0.10	0.0	0.0
6	0.0	0.01S	0.0 T	0.65	0.0	0.0	0.0	1.46E	0.0	0.04	0.0	0.0
7	0.24	0.0	0.0	0.0	0.0	0.95	0.49	0.49	0.0	0.04	0.13	0.03
8	1.17E	0.05S	0.02S	0.0	0.47	0.28	0.03E	0.0	0.0	0.0	0.0	1.56
9	0.09S	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.23E
10	0.0 T	0.0	0.0	0.02E	0.0	0.0	0.0	0.02E	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.08E	0.19E	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0
12	0.02S	0.0	0.17	0.0	0.27	0.25	0.0	0.0 T	0.45E	1.91	0.11	0.0
13	0.14S	0.08S	0.0	0.0	1.06	0.0	0.0	0.0	0.0	0.71E	0.0	0.0
14	0.09S	0.0	0.37	0.0	0.22	0.0	0.0	0.0	1.84	0.31	0.06	0.0
15	0.0 T	0.0	0.0 T	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.06	0.0
16	0.07S	0.02S	0.0 T	0.0	0.07E	0.0	0.0	0.03E	0.45	0.24	0.0	0.2E
17	0.35S	0.0 T	0.03S	0.0	0.20E	0.0	0.0	0.0	0.05	0.0	0.66	0.0
18	0.0 T	0.0	0.0	0.57E	0.16	1.15	0.0	0.0	0.04	0.01E	0.0	0.0
19	0.05S	0.0	0.0	0.36	0.0	0.03	0.0	0.76	0.0	0.0	0.0	0.0
20	0.29S	0.0	0.02E	0.66	0.07	0.06	0.0	0.0	0.0	0.0	0.0	0.16
21	0.04S	0.0	0.10	0.07E	0.0	0.01	0.33	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.04S	0.08E	0.16E	0.36	0.0	0.38	0.0	0.0	0.13E	0.24	0.0
24	0.16	0.0 T	0.03E	0.0 T	0.28	0.0	0.04E	0.0	0.0	0.0	0.01	0.10S
25	0.35	0.02S	0.56	0.06E	0.0	0.41	0.0	0.0	0.0	0.02	0.0	0.0
26	0.61E	0.04S	0.71	0.0	0.0	1.32	0.0	0.0	0.0	0.32	0.04S	0.03S
27	0.12S	0.0	0.06	0.0	0.0	2.02	0.0	0.24E	0.0	0.0	0.13E	0.0
28	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0 T	0.0
29	0.0 T		0.0	0.0	0.0	0.0	0.04	0.03E	0.0	0.0	0.0	0.0
30	0.0 T		0.0	0.0	0.15	0.0	0.0	1.53E	0.63E	0.0	0.0	0.24
31	0.0 T		0.02E		0.0		0.02	0.34		0.0		0.69
TOTAL	4.13	0.36	2.33	3.36	4.14	6.48	1.82	6.06	3.46	4.68	1.44	4.88
STA AV	2.06	2.19	3.88	3.38	3.74	4.38	4.12	3.32	2.75	2.47	2.52	2.55

Air Temperature: See temperature table for Watershed 123, p. 26.010-1.
Gaging: Rain gage Y101.
Station Averages: 30 yr beginning 1937 (includes part-year records). Measurements discontinued Jan. 1947-April 1957 and Dec. 1957-March 1960.
Notes: Code 'E' may reflect estimated storm duration rather than estimated rainfall amounts. Code 'S' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1979 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 102

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.86	0.0 T	0.14	0.45	0.0	0.17	0.14	1.43	0.0	0.0	0.45	0.04S
2	0.16E	0.0	0.0	0.43	0.0	0.0	0.0 T	0.0	0.0	0.37	0.0	0.04S
3	0.0	0.07S	0.0	0.0	0.62E	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.20	0.55	0.06E	0.0	0.57	0.0	0.0	0.15	0.0	0.0
5	0.07S	0.0	0.0	0.0	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0
6	0.02S	0.0	0.0	0.05	0.0	0.12	0.0	0.01	0.04	0.04E	0.04	0.13
7	0.46S	0.20S	0.0	0.02	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.04
8	0.0 T	0.04S	0.0	0.41	0.0	0.27	0.0	0.11	0.0	0.20	0.0	0.0 T
9	0.0	0.0	0.01	0.81	0.0	0.0	0.83	0.0 T	0.0	0.25	0.69	0.0
10	0.0	0.0	0.05	0.0	0.0	0.10	0.23	0.60	0.0	0.0	0.07	0.0
11	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.99	0.0	0.09	0.0	0.0
12	0.0 T	0.20S	0.0	0.19	1.15	0.0	0.06	0.0	0.0	0.0 T	0.0	0.29
13	0.05E	0.0	0.04	0.50	0.0	0.0	0.16	0.0	1.67	0.0	0.0	0.18
14	0.24	0.0	0.16M	0.18	0.0	0.0	0.0	0.0	2.85	0.0	0.0	0.0
15	0.0	0.07M	0.01S	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.0	0.04S
17	0.09E	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.18	0.0	0.0
18	0.0	0.12S	0.0	0.0	0.0	0.0	0.0	1.05	0.0	0.0	0.0	0.0
19	0.0 T	0.03S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.21	0.0	0.0	0.0	0.06E	0.21	0.0	0.11	0.0	0.0	0.0	0.0
21	0.19E	0.18	0.0	0.0	0.0	1.18	0.0	0.0 T	0.50	0.0	0.0	0.0
22	0.07S	0.02	0.0	0.0	0.0	0.0	1.43E	0.26	0.0	0.0	0.23	0.01E
23	0.0	0.25	0.21	0.0	0.44	0.0	0.01	0.36	0.0	0.03	0.01	0.07
24	0.56E	0.0	0.79	0.0	0.56	0.0	0.0 T	0.32	0.0	0.0 T	0.42	0.49
25	0.22S	1.12M	0.0 T	0.0	0.53	0.0	0.77E	0.0	0.0	0.07	0.15	0.40
26	0.0	0.19S	0.05S	0.53	0.32	0.0	0.0	0.44	0.0	0.0	0.23	0.01
27	0.17S	0.0	0.0	0.05	0.44	0.0	0.15	0.04	0.04	0.13	0.0	0.0 T
28	0.25S	0.0	0.15	0.0 T	0.04	0.46	0.21	0.22	1.48	0.01	0.14	0.0
29	0.0		0.07E	0.0	0.36	0.12	0.21	0.0	0.03	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.07S		0.15		0.18		0.0	0.0		0.0		0.0
TOTAL	3.69	2.49	2.03	4.42	4.76	3.21	4.77	6.98	6.61	1.76	2.53	1.74
STA AV	2.12	2.20	3.81	3.41	3.78	4.34	4.14	3.44	2.87	2.45	2.52	2.53

Air Temperature: See temperature table for Watershed 123, p. 26.010-1.
Gaging: Rain gage Y101.
Station Averages: 31 yr beginning 1937 (includes part-year records). Measurements discontinued Jan. 1947-April 1957 and Dec. 1957-March 1960.
Notes: Code 'E' may reflect estimated storm duration rather than estimated rainfall amounts. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1978 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 102

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.012
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
7	0.0 T	0.0	0.0	0.0	0.0	0.0 T	0.0 T	0.0 T	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.030	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.002	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.016	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.001
MEAN	0.0001	0.0	0.0001	0.0	0.0	0.0006	0.0	0.0	0.0002	0.0010	0.0	0.0007
INCHES	0.049	0.0	0.079	0.0	0.007	0.322	0.001	0.019	0.133	0.558	0.0	0.427
STA AV	0.039	0.075	0.087	0.057	0.009	0.127	0.134	0.034	0.022	0.038	0.009	0.026

Station Averages: 30 yr beginning 1937 (includes part-year records). Measurements discontinued Jan. 1947-April 1957 and Dec. 1957-March 1960.
Conversion Factor: CFS to IN/DAY, multiply by 18.89029.

1979 MEAN DAILY DISCHARGE (CFS) COSHOCTON, CHIO WATERSHED 102

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.001	0.0	0.0 T	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0 T	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.068	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.010	0.0 T	0.0	0.0	0.0	0.0
23	0.0	0.009	0.0	0.0	0.0 T	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
24	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
25	0.0	0.013	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0008	0.0	0.0	0.0	0.0	0.0004	0.0005	0.0023	0.0	0.0	0.0
INCHES	0.013	0.442	0.001	0.006	0.002	0.002	0.207	0.304	1.289	0.001	0.0	0.0
STA AV	0.038	0.088	0.084	0.055	0.009	0.123	0.137	0.042	0.064	0.036	0.008	0.025

Station Averages: 31 yr beginning 1937 (includes part-year records). Measurements discontinued Jan. 1947-April 1957 and Dec. 1957-March 1960.
Conversion Factor: CFS to IN/DAY, multiply by 18.89029.

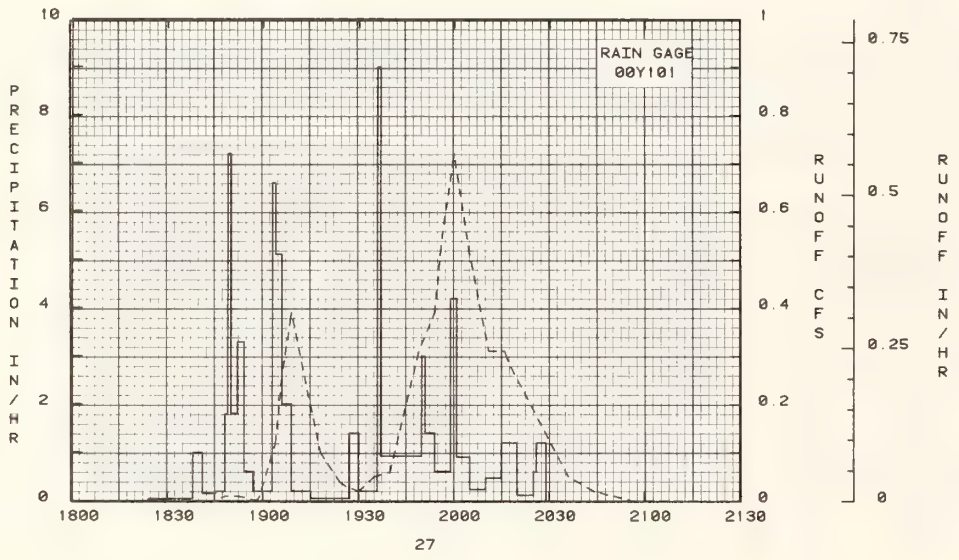
1978 SELECTED RUNOFF EVENT COSHOCTON, CHIO WATERSHED 102

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27, 1978							
BG 00Y101			BG 00Y101							
6-27	0.11	0.0	6-27	1824	0.0	0.0	6-27	1835	0.0	0.0
				1838	0.0428	0.01		1844	0.0	0.0
				1841	1.0001	0.06		1845	0.005	0.0000
				1845	0.1501	0.07		1848	0.010	0.0003
				1848	0.1999	0.08		1849	0.013	0.0005
WATERSHED CONDITIONS:										
Orchardgrass in pasture.				1849	1.7988	0.11		1852	0.013	0.0010
				1850	7.2018	0.23		1858	0.005	0.0017
				1852	1.7999	0.29		1859	0.007	0.0018
				1854	3.3000	0.40		1904	0.119	0.0059
				1857	0.6003	0.43		1906	0.262	0.0109
				1903	0.1999	0.45		1909	0.392	0.0238
				1904	6.5956	0.56		1918	0.101	0.0529
				1906	5.1012	0.73		1924	0.039	0.0584
				1909	2.0001	0.83		1926	0.034	0.0593
				1915	0.2000	0.85		1930	0.020	0.0608
				1927	0.0500	0.86		1935	0.050	0.0631
				1930	1.4001	0.93		1940	0.063	0.0668
				1936	0.1999	0.95		1949	0.307	0.0886
				1937	9.0021	1.10		1954	0.392	0.1115
				1950	0.9231	1.30		1956	0.530	0.1236
				1951	3.0002	1.35		2000	0.719	0.1564
				1954	1.3998	1.42		2005	0.509	0.1967
				1959	0.6000	1.47		2011	0.367	0.2288
				2001	4.2000	1.61		2016	0.307	0.2489
				2005	0.9000	1.67		2017	0.251	0.2528
				2010	0.2401	1.69		2036	0.050	0.2953
				2015	0.4799	1.73		2044	0.017	0.2989
				2020	1.2001	1.83		2056	0.001	0.3003
				2025	0.1199	1.84		2105	0.0	0.3003
				2026	0.6006	1.85				

Conversion Factor: CFS to IN/HR, multiply by 0.787092.

1978 SELECTED RUNOFF EVENT									COSHOCTON, OHIO WATERSHED 102	
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27, 1978 (CONTINUED)							
			6-27	2029	1.2000	1.91				

Conversion Factor: CFS to IN/HR, multiply by 0.787092.



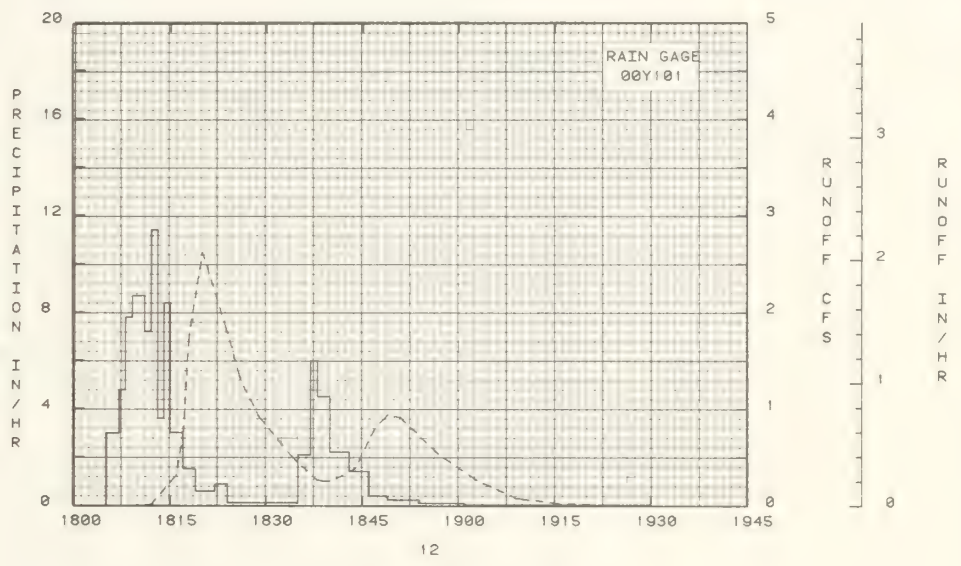
EVENT OF JUNE 27, 1978

COSHOCTON, OHIO WATERSHED 102

1978 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 102

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 12, 1978							
RG 00Y101			RG 00Y101							
10-12	0.0	0.0	10-12	1805	0.0	0.0	10-12	1809	0.0	0.0
				1807	3.0002	0.10		1810	0.007	0.0001
				1808	4.7968	0.18		1812	0.010	0.0003
				1809	7.8019	0.31		1816	0.323	0.0090
				1811	8.7021	0.60		1817	0.745	0.0160
WATERSHED CONDITIONS:										
Orchardgrass in				1812	7.1952	0.72		1818	1.780	0.0326
pasture.				1813	11.4028	0.91		1820	2.620	0.0903
				1814	3.5999	0.97		1824	1.780	0.2057
				1815	8.3943	1.11		1826	1.300	0.2461
				1817	3.0002	1.21		1829	0.911	0.2896
				1819	1.4996	1.26		1834	0.509	0.3362
				1821	0.6001	1.28		1838	0.262	0.3564
				1822	0.6006	1.29		1840	0.248	0.3631
				1824	0.9000	1.32		1844	0.392	0.3799
				1835	0.1090	1.34		1847	0.798	0.4033
				1837	2.1002	1.41		1849	0.941	0.4262
				1838	5.9960	1.51		1851	0.911	0.4504
				1840	4.5003	1.66		1857	0.530	0.5072
				1843	2.2000	1.77		1903	0.262	0.5383
				1846	1.3998	1.84		1909	0.085	0.5520
				1849	0.4001	1.86		1911	0.057	0.5538
				1854	0.2401	1.88		1916	0.025	0.5565
				1901	0.0857	1.89		1921	0.010	0.5577
				1930	0.0414	1.91		1927	0.003	0.5582
								1930	0.001	0.5583
								1950	0.0	0.5584
								2000	0.0	0.5584

Conversion Factor: CFS to IN/HR, multiply by 0.797092.



EVENT OF OCTOBER 12, 1978

COSHOCTON, OHIO WATERSHED 102

1979 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 102

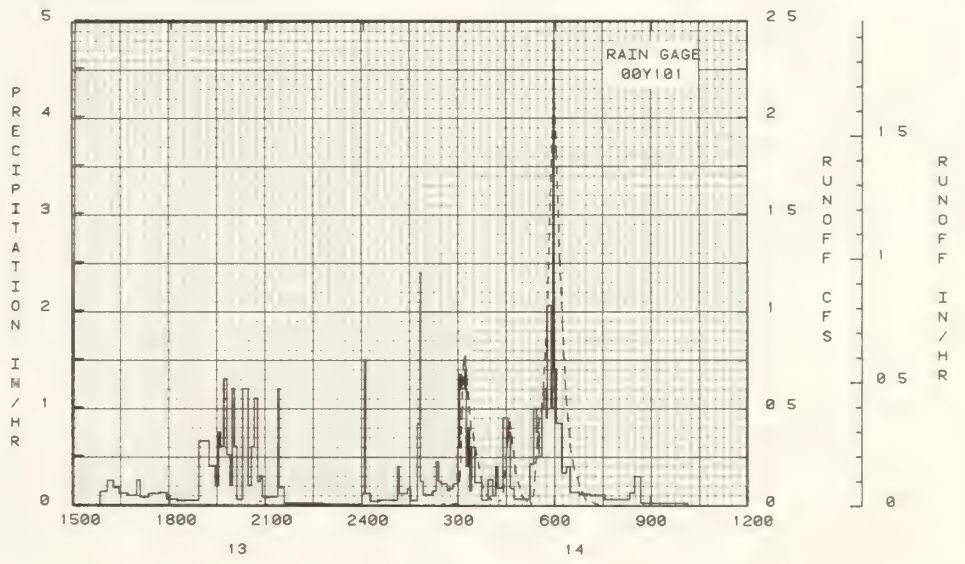
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF SEPTEMBER 13 - 14, 1979						
	RG 00Y101			RG 00Y101						
9-13	0.0	0.0	9-13	1550	0.0	0.0	9-13	1646	0.0	0.0
				1603	0.1385	0.03		1858	0.0	0.0
				1615	0.2500	0.08		1910	0.001	0.0001
				1625	0.1800	0.11		1926	0.0	0.0002
				1640	0.1200	0.14		1938	0.001	0.0003
WATERSHED CONDITIONS:										
Pasture with a cover				1658	0.1000	0.17		1945	0.003	0.0004
of orchardgrass.				1705	0.2571	0.20		1952	0.001	0.0006
				1720	0.0800	0.22		1956	0.003	0.0007
				1740	0.1200	0.26		2004	0.001	0.0009
				1754	0.1286	0.29		2012	0.0	0.0010
				1815	0.0572	0.31		2020	0.001	0.0010
				1829	0.0429	0.32		2030	0.001	0.0012
				1855	0.0461	0.34		2044	0.003	0.0015
				1914	0.6632	0.55		2047	0.005	0.0017
				1920	0.3999	0.59		2049	0.020	0.0020
				1926	0.4001	0.63		2052	0.020	0.0028
				1932	0.1999	0.65		2100	0.003	0.0040
				1936	0.7500	0.70		2118	0.0	0.0044
				1941	0.6000	0.75		2400	0.0	0.0044
				1947	1.2000	0.88	9-14	6	0.0	0.0044
				1954	0.5143	0.94		140	0.0	0.0044
				1957	0.1999	0.95		144	0.001	0.0044
				2002	1.2001	1.05		154	0.001	0.0045
				2006	0.5999	1.09		210	0.0	0.0046
				2017	0.0546	1.10		228	0.005	0.0052
				2027	1.2000	1.30		236	0.010	0.0060
				2033	0.2000	1.32		256	0.010	0.0086
				2039	0.6000	1.38		258	0.013	0.0089
				2045	1.1000	1.49		305	0.183	0.0179
				2050	0.2399	1.51		308	0.509	0.0315
				2054	0.3001	1.53		310	0.719	0.0477
				2109	0.0800	1.55		313	0.771	0.0770
				2116	0.0857	1.56		325	0.392	0.1685
				2123	0.0858	1.57		328	0.374	0.1836
				2125	1.1998	1.61		347	0.093	0.2418
				2135	0.1800	1.64		357	0.039	0.2504
				2249	0.0162	1.66		404	0.029	0.2536
				2400	0.0084	1.67		416	0.025	0.2578
			9-14	5	0.1201	1.68		421	0.034	0.2597
				7	1.4996	1.73		425	0.070	0.2625
				17	0.1200	1.75		430	0.234	0.2724
				33	0.0375	1.76		434	0.374	0.2884
				107	0.0529	1.79		437	0.429	0.3042
				110	0.4001	1.81		449	0.160	0.3506
				125	0.1200	1.84		459	0.045	0.3640
				132	0.1715	1.86		510	0.017	0.3685
				144	0.0500	1.87		515	0.017	0.3696
				149	0.8401	1.94		518	0.013	0.3702
				150	2.3996	1.98		521	0.045	0.3713
				155	0.2401	2.00		525	0.183	0.3773
				212	0.1059	2.03		528	0.323	0.3873
				220	0.1500	2.05		532	0.448	0.4075
				224	0.4500	2.08		536	0.488	0.4321
				229	0.2401	2.10		539	0.597	0.4534
				240	0.2181	2.14		547	1.030	0.5388
				244	0.1499	2.15		553	1.780	0.6494
				251	0.1715	2.17		558	2.150	0.7783
				259	0.2250	2.20		603	1.780	0.9071
				303	0.6001	2.24		609	1.270	1.0272
				307	1.3499	2.33		615	0.941	1.1142
				313	1.2000	2.45		622	0.552	1.1827
				316	1.4001	2.52		626	0.429	1.2085
				319	0.3998	2.54		629	0.307	1.2230
				322	0.8002	2.58		638	0.183	1.2519
				326	0.1499	2.59		658	0.034	1.2804
				332	0.6000	2.65		724	0.003	1.2867
				345	0.2308	2.70		740	0.001	1.2871
				356	0.0546	2.71		900	0.0	1.2876
				405	0.2666	2.75				
				411	0.0999	2.76				

Conversion Factor: CFS to IN/HR, multiply by 0.787092.

1979 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 102

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 13 - 14, 1979 (CONTINUED)							
			9-14	414	0.4001	2.78				
				424	0.1800	2.81				
				434	0.9001	2.96				
				438	0.7498	3.01				
				445	0.1715	3.03				
				514	0.0621	3.06				
				521	0.4286	3.11				
				527	1.0001	3.21				
				531	0.7498	3.26				
				537	0.5000	3.31				
				540	1.0001	3.36				
				545	1.2001	3.46				
				547	0.9000	3.49				
				554	2.0571	3.73				
				557	1.0001	3.78				
				558	4.8001	3.86				
				604	1.4000	4.00				
				614	0.8400	4.14				
				623	0.3334	4.19				
				629	0.3999	4.23				
				647	0.1334	4.27				
				707	0.1200	4.31				
				735	0.1071	4.36				
				821	0.0652	4.41				
				830	0.1334	4.43				
				842	0.3000	4.49				
				1010	0.0205	4.52				

Conversion Factor: CFS to IN/HR, multiply by 0.787092.



EVENT OF SEPTEMBER 13 - 14, 1979

COSHOCTON, OHIO WATERSHED 102

LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Walhonding River, Muskingum River Basin. Lat. 40 deg. 22 min. 19 sec. N.; long. 81 deg. 47 min. 52 sec. W.

AREA: 2.71 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) COSHOCTON, OHIO WATERSHED 129

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	4.15	0.35	2.66	3.52	4.15	6.41	1.81	6.01	3.17	4.46	1.57	4.91	43.17
1978	Q	0.728	0.0	0.391	0.124	0.540	1.240	0.064	0.304	0.673	1.082	0.079	1.101	6.326
	P	3.61	2.86	1.88	4.56	4.66	3.22	4.90	6.89	7.11	1.70	2.54	1.71	45.64
1979	Q	0.163	1.100	0.012	0.568	0.200	0.101	0.727	1.304	2.168	0.0	0.079	0.0	6.423
STA AV	P	2.68	2.34	3.45	3.48	3.72	3.93	4.26	3.16	2.88	2.18	2.45	2.42	36.94
	Q	0.162	0.230	0.162	0.125	0.068	0.172	0.179	0.095	0.133	0.053	0.032	0.099	1.510

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	10-12	2.979	10-12	0.971	10-12	0.998	10-12	0.998	10-12	1.076	10-12	1.078	6-25	1.214	6-25	1.214
1979	7-22	1.987	9-14	0.853	9-14	1.096	9-14	1.766	9-13	2.043	9-13	2.067	9-12	2.067	9-10	2.067
MAXIMUMS FOR PERIOD OF RECORD																
	10-12 1978	2.979	6-12 1957	0.980	9-14 1979	1.096	9-14 1979	1.766	3- 4 1963	2.420	3- 4 1963	2.900	3- 3 1963	3.510	3- 3 1963	4.000

Watershed Conditions: Grass pasture.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 26.3-5. For geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Misc. Pub. 1070, pp. 26.3-1 and 26.30-3.
Precipitation: Records began Sept. 1, 1937. Data from rain gage 100.
Runoff: Records began March 26, 1938. Measurements discontinued June 1972 to March 1974.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.

1978 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 129

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.20E	0.0	0.01S	0.0	0.0	0.0	0.03E	0.0	0.0	0.0	0.0	0.0
2	0.01S	0.0 T	0.0	0.23E	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.07
3	0.0	0.0	0.13S	0.25	0.0	0.0	0.07	0.14	0.0	0.50	0.0	1.14
4	0.0	0.0	0.0	0.20	0.65	0.0	0.0	0.0	0.0	0.01	0.0	0.57
5	0.12S	0.09S	0.0	0.0	0.08E	0.0	0.0	0.52	0.0	0.10	0.0	0.0
6	0.0	0.01S	0.0 T	0.71	0.0	0.0	0.0	1.52	0.0	0.02	0.0	0.0
7	0.27	0.0	0.0	0.0	0.0	0.95	0.47	0.49	0.0	0.04	0.11	0.03
8	1.10M	0.03S	0.02S	0.0	0.47	0.25	0.04	0.0	0.0	0.0	0.0	1.57
9	0.06S	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.21M
10	0.0 T	0.0	0.0	0.02E	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.11E	0.16E	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0
12	0.07S	0.0	0.16	0.0	0.26	0.21	0.0	0.0 T	0.37	1.77	0.10	0.0
13	0.17S	0.12S	0.0	0.0	1.06	0.0	0.0	0.0	0.0	0.71	0.0	0.0
14	0.07S	0.0	0.42	0.0	0.22	0.0	0.0	0.0	1.76	0.31	0.04	0.0
15	0.0 T	0.0	0.0 T	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.07	0.0
16	0.11S	0.02S	0.0 T	0.0	0.04	0.0	0.0	0.02E	0.41	0.27	0.0	0.04
17	0.44S	0.0 T	0.03S	0.0	0.20E	0.0	0.0	0.0	0.04	0.0	0.71	0.0
18	0.0 T	0.0	0.0	0.70E	0.14	1.13	0.0	0.0	0.03	0.02	0.0	0.0
19	0.06S	0.0	0.0	0.36	0.0	0.03	0.0	0.69	0.0	0.0	0.0	0.0
20	0.39S	0.0	0.02E	0.57	0.06	0.06	0.0	0.0	0.0	0.0	0.0	0.15
21	0.04S	0.0	0.10	0.04	0.0	0.02	0.25E	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.04S	0.10	0.21	0.37	0.0	0.38	0.0	0.0	0.11	0.23	0.0
24	0.15	0.0 T	0.03	0.0 T	0.25	0.0	0.03	0.0	0.0	0.0	0.02	0.10S
25	0.40	0.01S	0.71	0.07	0.0	0.36	0.0	0.0	0.0	0.02	0.0	0.0
26	0.38M	0.03S	0.73	0.0	0.0	1.31	0.0	0.0	0.0	0.29	0.12S	0.02S
27	0.10S	0.0	0.07	0.0	0.0	2.09	0.0	0.19	0.0	0.0	0.17M	0.0
28	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0 T	0.0
29	0.0 T		0.0	0.0	0.0	0.0	0.03	0.02	0.0	0.0	0.0	0.0
30	0.0 T		0.0	0.0	0.13	0.0	0.0	1.59	0.56	0.0	0.0	0.27
31	0.01S		0.02E		0.0		0.04	0.39		0.0		0.74
TOTAL	4.15	0.35	2.66	3.52	4.15	6.41	1.81	6.01	3.17	4.46	1.57	4.91
STA AV	2.66	2.33	3.49	3.45	3.69	3.94	4.25	3.07	2.77	2.19	2.45	2.44

Air Temperature: See temperature table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 100.
Station Averages: 40 yr beginning 1938 (includes part-year records). Gage 100 discontinued June 1972 to March 1974.
Notes: Codes 'E' may reflect estimated storm duration rather than estimated rainfall amount. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1979 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 129

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.85	0.0 T	0.13	0.52	0.0	0.17	0.13	1.39	0.0	0.0	0.41	0.04S
2	0.15E	0.0	0.0	0.43	0.0	0.0	0.0 T	0.0	0.0	0.37	0.0	0.02S
3	0.0	0.05S	0.0	0.0	0.59	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.20	0.67	0.07	0.0	0.60	0.0	0.0	0.14	0.0	0.0
5	0.07S	0.0	0.0	0.0	0.0	0.0	0.0	0.78	0.0	0.0	0.0	0.0
6	0.02S	0.0	0.0	0.06	0.0	0.07	0.0	0.01	0.04	0.04	0.02	0.14
7	0.53S	0.22S	0.0	0.01	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.04
8	0.02S	0.05S	0.0	0.42	0.0	0.28	0.0	0.10	0.0	0.20	0.0	0.0 T
9	0.0	0.0	0.01	0.76	0.0	0.0	0.89	0.01	0.0	0.23	0.74	0.0
10	0.0	0.0	0.04	0.0	0.0	0.07	0.15	0.53	0.0	0.0	0.03	0.0
11	0.0	0.0	0.0	0.24	0.0	0.0	0.0	1.01	0.0	0.09	0.0	0.0
12	0.0 T	0.25S	0.0	0.21	1.01	0.0	0.06	0.0	0.0	0.0 T	0.0	0.28
13	0.09	0.0	0.03	0.44	0.0	0.0	0.17	0.0	1.81	0.0	0.0	0.25
14	0.16	0.0	0.11E	0.17	0.0	0.0	0.0	0.0	3.17	0.0	0.0	0.0
15	0.0	0.04M	0.0 T	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.02S
17	0.10E	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.18	0.0	0.0
18	0.0	0.23S	0.0	0.0	0.0	0.0	0.0	1.07	0.0	0.0	0.0	0.0
19	0.0 T	0.03S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.26	0.0	0.0	0.0	0.03	0.20	0.0	0.12	0.0	0.0	0.0	0.0
21	0.19E	0.22	0.0	0.0	0.0	1.26	0.0	0.0 T	0.48	0.0	0.01	0.0
22	0.05S	0.03	0.0	0.0	0.0	0.0	1.60	0.23	0.0	0.0	0.25	0.02
23	0.0	0.25	0.24	0.0	0.48	0.0	0.01	0.37	0.0	0.03	0.01	0.06
24	0.55E	0.0	0.73	0.0	0.54	0.0	0.0 T	0.32	0.0	0.0 T	0.40	0.50
25	0.16S	1.32M	0.01S	0.0	0.58	0.0	0.69	0.0	0.0	0.05	0.20	0.33
26	0.0	0.17S	0.03S	0.55	0.29	0.0	0.0	0.48	0.0	0.0	0.25	0.01
27	0.16S	0.0	0.0	0.05	0.47	0.0	0.16	0.05	0.02	0.13	0.0	0.0 T
28	0.21S	0.0	0.16	0.0 T	0.03	0.44	0.21	0.24	1.55	0.02	0.13	0.0
29	0.0		0.06	0.0	0.39	0.13	0.23	0.0	0.04	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.04S		0.13		0.18		0.0	0.0		0.0		0.0
TOTAL	3.61	2.86	1.88	4.56	4.66	3.22	4.90	6.89	7.11	1.70	2.54	1.71
STA AV	2.68	2.34	3.45	3.48	3.72	3.93	4.26	3.16	2.88	2.18	2.45	2.42

Air Temperature: See temperature table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 100.
Station Averages: 41 yr beginning 1938 (includes part-year records). Gage 100 discontinued June 1972 to March 1974.
Notes: Codes 'E' may reflect estimated storm duration rather than estimated rainfall amount. Code 'S' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1978 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 129

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.023
4	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.047
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.024	0.0	0.0	0.0	0.0
7	0.029	0.0	0.0	0.0 T	0.0	0.002	0.007	0.001	0.0	0.0	0.0	0.0
8	0.005	0.0	0.0	0.0	0.006	0.0 T	0.0	0.0	0.0	0.0	0.0	0.041
9	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.005
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
12	0.0	0.0	0.001	0.0	0.0	0.0 T	0.0	0.0	0.0	0.114	0.0	0.0
13	0.0	0.0	0.008	0.0	0.046	0.0	0.0	0.0	0.0	0.009	0.0	0.0
14	0.0	0.0	0.032	0.0	0.004	0.0	0.0	0.0	0.073	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0 T	0.0	0.0
17	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.007	0.0	0.0
18	0.0	0.0	0.0	0.002	0.001	0.001	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.001	0.0	0.0 T	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
26	0.048	0.0	0.004	0.0	0.0	0.035	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.103	0.0	0.0	0.0	0.0	0.002	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.008	0.0 T	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.001		0.0		0.010
MEAN	0.0027	0.0	0.0014	0.0005	0.0020	0.0047	0.0002	0.0011	0.0026	0.0040	0.0003	0.0040
INCHES	0.728	0.0	0.391	0.124	0.540	1.240	0.064	0.304	0.673	1.082	0.079	1.101
STA AV	0.162	0.207	0.166	0.114	0.064	0.173	0.165	0.064	0.081	0.054	0.031	0.101

Station Averages: 40 yr beginning 1938 (includes part-year records). Measurements discontinued June 1972-Mar. 1974.
Conversion Factor: CFS to IN/DAY, multiply by 8.782898.

1979	MEAN DAILY DISCHARGE (CFS)						COSHOCTON, OHIO WATERSHED 129					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.009E	0.0	0.0	0.0 T	0.0	0.0	0.0	0.047	0.0	0.0	0.0 T	0.0
2	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.001	0.017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.023	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0 T	0.0	0.0 E	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.026	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0 T	0.0	0.0	0.0 T	0.0
11	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.024	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.004	0.017	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.012	0.0	0.0	0.0	0.0	0.032	0.0	0.0	0.0
14	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.204	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.036	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.001	0.001	0.0	0.0	0.0	0.012	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	0.0	0.0	0.0	0.0	0.059	0.001	0.0	0.0	0.0	0.0
23	0.0	0.043	0.0 T	0.0	0.0	0.0	0.0	0.007	0.0	0.0	0.0	0.0
24	0.007	0.004	0.001	0.0	0.0	0.0	0.0	0.009	0.0	0.0	0.002	0.0
25	0.0	0.068	0.0	0.0	0.0	0.0	0.023	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.005	0.0
27	0.0	0.003	0.0	0.0	0.0 E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0 T	0.012	0.0	0.0	0.0
29	0.0		0.0	0.0	0.006	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0006	0.0045	0.0	0.0022	0.0007	0.0004	0.0027	0.0048	0.0082	0.0	0.0003	0.0
INCHES	0.163	1.100	0.012	0.568	0.200	0.101	0.727	1.304	2.168	0.0	0.079	0.0
STA AV	0.162	0.230	0.162	0.125	0.068	0.172	0.179	0.095	0.133	0.053	0.032	0.099

Station Averages: 41 yr beginning 1938 (includes part-year records). Measurements discontinued June 1972-Mar. 1974.
Conversion Factor: CFS to IN/DAY, multiply by 8.782898.

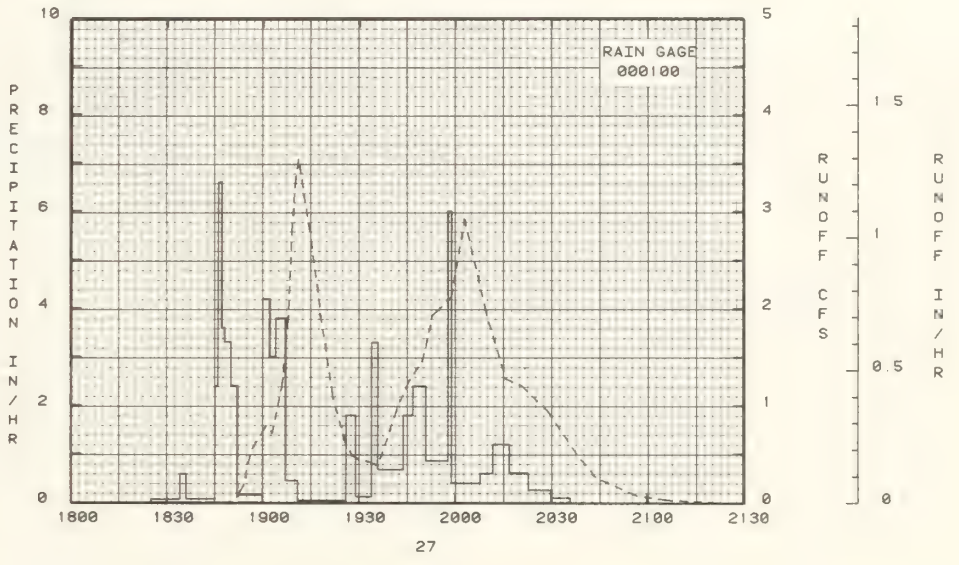
1978 SELECTED RUNOFF EVENT					COSHOCTON, OHIO WATERSHED 129					
ANTECEDENT CONDITIONS			RAINFALL			RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27, 1978							
RG 000100			RG 000100							
6-27	0.11	0.0	6-27	1825	0.0	0.0	6-27	1848	0.0	0.0
				1834	0.0667	0.01		1850	0.009	0.0001
				1836	0.5997	0.03		1852	0.060	0.0005
				1845	0.0667	0.04		1854	0.184	0.0020
				1846	2.3996	0.08		1856	0.479	0.0060
WATERSHED CONDITIONS:										
Badly tramped grass				1847	6.6016	0.19		1857	0.566	0.0092
pasture, very sparse				1848	3.5999	0.25		1901	0.792	0.0258
growth.				1850	3.3000	0.36		1903	0.712	0.0349
				1852	2.4001	0.44		1906	1.200	0.0524
				1900	0.1500	0.46		1908	1.930	0.0715
				1902	4.2010	0.60		1909	2.800	0.0859
				1904	3.0002	0.70		1910	3.290	0.1045
				1907	3.8009	0.89		1911	3.540	0.1253
				1911	0.4500	0.92		1915	2.690	0.2013
				1926	0.0400	0.93		1918	1.930	0.2436
				1929	1.7999	1.02		1922	1.060	0.2801
				1934	0.1199	1.03		1926	0.588	0.3002
				1936	3.3000	1.14		1928	0.479	0.3067
				1944	0.6751	1.23		1930	0.438	0.3123
				1947	1.7999	1.32		1933	0.419	0.3201
				1951	2.4001	1.48		1936	0.381	0.3274
				1958	0.8571	1.58		1942	0.967	0.3521
				1959	6.0015	1.68		1946	1.270	0.3794
				2008	0.4000	1.74		1950	1.460	0.4127
				2012	0.5999	1.78		1953	1.930	0.4437
				2017	1.2001	1.88		1956	2.020	0.4798
				2023	0.6000	1.94		1959	2.120	0.5177
				2030	0.2571	1.97		2003	2.920	0.5792
				2036	0.1001	1.98		2010	1.930	0.6827
								2016	1.270	0.7413

Conversion Factor: CFS to IN/HR, multiply by 0.365954.

1978 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 129

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27, 1978 (CONTINUED)							
							6-27	2021	1.200	0.7789
								2029	0.936	0.8310
								2038	0.500	0.8705
								2044	0.265	0.8845
								2057	0.074	0.8979
								2108	0.020	0.9010
								2121	0.004	0.9020
								2129	0.0	0.9021
								2140	0.0	0.9021

Conversion Factor: CFS to IN/HR, multiply by 0.365954.



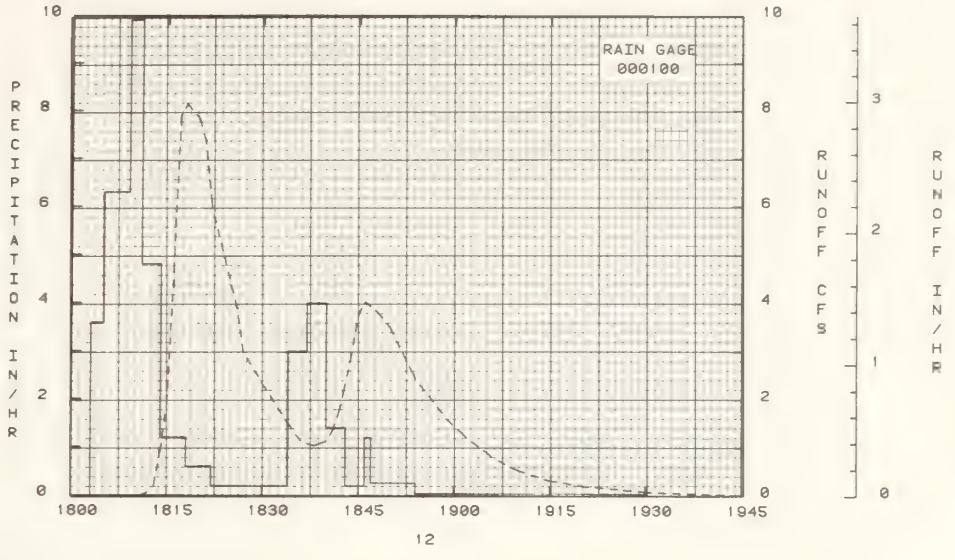
EVENT OF JUNE 27, 1978

COSHOCTON, OHIO WATERSHED 129

1978 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 129

ANTECEDENT CONDITIONS				RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF OCTOBER 12, 1978						
	RG 000100			RG 000100						
10-12	0.0	0.0	10-12	1803	0.0	0.0	10-12	1808	0.0	0.0
				1805	3.5999	0.12		1811	0.012	0.0001
				1809	6.3000	0.54		1812	0.067	0.0003
				1811	9.9024	0.87		1813	0.209	0.0012
				1814	4.8001	1.11		1814	0.936	0.0047
WATERSHED CONDITIONS:										
Badly tramped grass				1818	1.2000	1.19		1815	1.930	0.0134
pasture, very sparse				1820	0.5997	1.21		1816	4.690	0.0336
growth.				1822	0.6001	1.23		1817	7.920	0.0721
				1834	0.2000	1.27		1818	8.140	0.1210
				1837	2.9999	1.42		1820	7.810	0.2183
				1840	3.9999	1.62		1821	7.290	0.2644
				1843	1.4001	1.69		1822	5.950	0.3048
				1846	0.1999	1.70		1824	4.930	0.3711
				1847	1.2003	1.72		1826	3.880	0.4248
				1854	0.2571	1.75		1827	2.980	0.4458
				1930	0.0333	1.77		1830	2.320	0.4943
								1834	1.500	0.5409
								1836	1.130	0.5569
								1838	1.030	0.5701
								1840	1.130	0.5832
								1841	1.340	0.5908
								1842	1.750	0.6002
								1843	2.320	0.6126
								1844	2.980	0.6288
								1845	3.750	0.6493
								1846	4.020	0.6730
								1848	3.810	0.7207
								1850	3.480	0.7652
								1854	2.420	0.8372
								1859	1.580	0.8982
								1902	1.200	0.9236
								1905	0.906	0.9429
								1906	0.792	0.9480
								1910	0.521	0.9641
								1915	0.312	0.9768
								1920	0.196	0.9845
								1931	0.074	0.9936
								1940	0.030	0.9964
								1955	0.006	0.9981
								2005	0.002	0.9983
								2025	0.0	0.9984

Conversion Factor: CFS to IN/HR, Multiply by 0.365954.



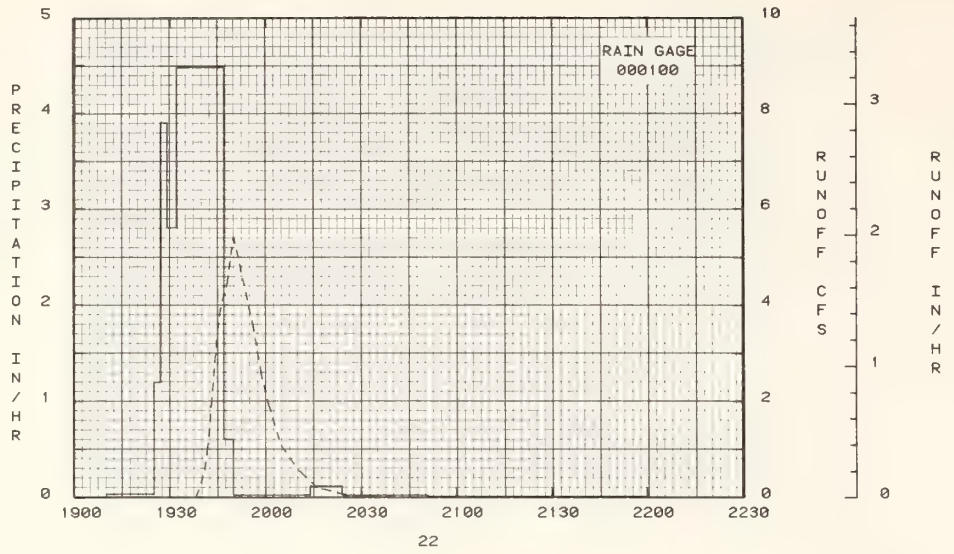
EVENT OF OCTOBER 12, 1978

COSHOCTON, OHIO WATERSHED 129

1979 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 129

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JULY 22, 1979						
RG 000100				RG 000100						
7-22	0.03	0.0	7-22	1910	0.0	0.0	7-22	1931	0.0	0.0
				1925	0.0400	0.01		1932	0.006	0.0000
				1927	1.1998	0.05		1934	0.009	0.0001
				1929	3.9001	0.18		1935	0.012	0.0002
				1932	2.8000	0.32		1938	0.012	0.0004
WATERSHED CONDITIONS:										
Badly tramped grass				1947	4.4800	1.44		1939	0.160	0.0009
pasture, very sparse				1950	0.6000	1.47		1941	0.588	0.0055
growth.				2014	0.0250	1.48		1942	1.130	0.0107
				2024	0.1200	1.50		1943	1.930	0.0200
				2051	0.0222	1.51		1945	3.480	0.0530
				2200	0.0087	1.52		1946	3.950	0.0757
				2301	0.0197	1.54		1948	4.460	0.1270
				2320	0.0632	1.56		1950	5.430	0.1873
				2340	0.0300	1.57		1956	3.610	0.3527
								1959	2.470	0.4083
								2001	1.930	0.4352
								2005	1.060	0.4716
								2011	0.521	0.5006
								2016	0.209	0.5117
								2025	0.053	0.5189
								2036	0.016	0.5212
								2045	0.004	0.5218
								2054	0.0	0.5219

Conversion Factor: CFS to IN/HR, multiply by 0.365954.



EVENT OF JULY 22, 1979

COSHOCTON, OHIO WATERSHED 129

LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Walhonding River, Muskingum River Basin. Lat. 40 deg. 22 min. 20 sec. N.; long. 81 deg. 47 min. 48 sec. W.

AREA: 2.69 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — COSHOCTON, OHIO WATERSHED 135

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	4.15	0.35	2.66	3.52	4.15	6.41	1.81	6.01	3.17	4.46	1.57	4.91	43.17
	Q	0.046	0.0	0.323	0.0	0.002	0.373	0.003	0.101	0.323	0.863	0.0	0.235	2.267
1979	P	3.61	2.86	1.88	4.56	4.66	3.22	4.90	6.89	7.11	1.70	2.54	1.71	45.64
	Q	0.070	0.245	0.0	0.0	0.001	0.027	0.205	0.334	1.241	0.0	0.0	0.0	2.124
STA AV	P	2.68	2.34	3.45	3.47	3.71	3.93	4.26	3.17	2.88	2.18	2.44	2.42	36.92
	Q	0.040	0.122	0.105	0.031	0.015	0.098	0.070	0.045	0.074	0.061	0.003	0.020	0.684

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval: 1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	10-12	3.082	10-12	0.831	10-12	0.849	10-12	0.849	10-12	0.863	10-12	0.863	10-11	0.863	10- 5	0.863
1979	9-14	1.357	9-14	0.664	9-14	0.808	9-14	1.206	9-13	1.236	9-13	1.240	9-12	1.240	9-12	1.240
MAXIMUMS FOR PERIOD OF RECORD																
	10-12	3.082	6-12	0.920	9- 1	0.940	3- 4	1.550	3- 4	2.190	3- 4	2.510	3- 3	3.060	3- 3	3.070
	1978		1957		1950		1963		1963		1963		1963		1963	

Watershed Conditions: Cover of improved pasture.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 26.4-5. For geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Misc. Pub. 1070, pp. 26.4-1 and 26.30-3.
Precipitation: Records began Sept. 1, 1937. Data from rain gage 100.
Runoff: Records began March 7, 1938. Measurements discontinued Dec. 1969 to March 1974.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.

1978 DAILY PRECIPITATION (INCHES) — COSHOCTON, OHIO WATERSHED 135

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.20E	0.0	0.01S	0.0	0.0	0.0	0.03E	0.0	0.0	0.0	0.0	0.0
2	0.01S	0.0 T	0.0	0.23E	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.07
3	0.0	0.0	0.13S	0.25	0.0	0.0	0.07	0.14	0.0	0.59	0.0	1.14
4	0.0	0.0	0.0	0.20	0.65	0.0	0.0	0.0	0.0	0.01	0.0	0.57
5	0.12S	0.09S	0.0	0.0	0.08E	0.0	0.0	0.52	0.0	0.10	0.0	0.0
6	0.0	0.01S	0.0 T	0.71	0.0	0.0	0.0	1.52	0.0	0.02	0.0	0.0
7	0.27	0.0	0.0	0.0	0.0	0.95	0.47	0.49	0.0	0.04	0.11	0.03
8	1.19E	0.03S	0.02S	0.0	0.47	0.25	0.04	0.0	0.0	0.0	0.0	1.57
9	0.06S	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.21M
10	0.0 T	0.0	0.0	0.02E	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.11E	0.16E	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0
12	0.07S	0.0	0.16	0.0	0.26	0.21	0.0	0.0 T	0.37	1.77	0.10	0.0
13	0.17S	0.12S	0.0	0.0	1.06	0.0	0.0	0.0	0.0	0.71	0.0	0.0
14	0.07S	0.0	0.42	0.0	0.22	0.0	0.0	0.0	1.76	0.31	0.04	0.0
15	0.0 T	0.0	0.0 T	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.07	0.0
16	0.11S	0.02S	0.0 T	0.0	0.04	0.0	0.0	0.02E	0.41	0.27	0.0	0.04
17	0.44S	0.0 T	0.03S	0.0	0.20E	0.0	0.0	0.0	0.04	0.0	0.71	0.0
18	0.0 T	0.0	0.0	0.70E	0.14	1.13	0.0	0.0	0.03	0.02	0.0	0.0
19	0.06S	0.0	0.0	0.36	0.0	0.03	0.0	0.69	0.0	0.0	0.0	0.0
20	0.39S	0.0	0.02E	0.57	0.06	0.06	0.0	0.0	0.0	0.0	0.0	0.15
21	0.04S	0.0	0.10	0.04	0.0	0.02	0.25E	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.04S	0.10	0.21	0.37	0.0	0.38	0.0	0.0	0.11	0.23	0.0
24	0.15	0.0 T	0.03	0.0 T	0.25	0.0	0.03	0.0	0.0	0.0	0.02	0.10S
25	0.40	0.01S	0.71	0.07	0.0	0.36	0.0	0.0	0.0	0.02	0.0	0.0
26	0.38E	0.03S	0.73	0.0	0.0	1.31	0.0	0.0	0.0	0.29	0.12S	0.02S
27	0.10S	0.0	0.07	0.0	0.0	2.09	0.0	0.19	0.0	0.0	0.17M	0.0
28	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0 T	0.0
29	0.0 T		0.0	0.0	0.0	0.0	0.03	0.02	0.0	0.0	0.0	0.0
30	0.0 T		0.0	0.0	0.13	0.0	0.0	1.59	0.56	0.0	0.0	0.27
31	0.01S		0.02E		0.0		0.04	0.39		0.0		0.74
TOTAL	4.15	0.35	2.66	3.52	4.15	6.41	1.81	6.01	3.17	4.46	1.57	4.91
STA AV	2.66	2.33	3.49	3.44	3.68	3.94	4.25	3.08	2.77	2.19	2.44	2.44

Air Temperature: See temperature table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 100.
Station Averages: 40 yr beginning 1938 (includes part-year records). Gage 100 discontinued June 1972 to March 1974.
Notes: Code 'E' may reflect estimated storm duration rather than estimated rainfall amount. Code 'S' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1979 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 135

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.85	0.0 T	0.13	0.52	0.0	0.17	0.13	1.39	0.0	0.0	0.41	0.04S
2	0.15E	0.0	0.0	0.43	0.0	0.0	0.0 T	0.0	0.0	0.37	0.0	0.02S
3	0.0	0.05S	0.0	0.0	0.59	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.20	0.67	0.07	0.0	0.60	0.0	0.0	0.14	0.0	0.0
5	0.07S	0.0	0.0	0.0	0.0	0.0	0.0	0.78	0.0	0.0	0.0	0.0
6	0.02S	0.0	0.0	0.06	0.0	0.07	0.0	0.01	0.04	0.04	0.02	0.14
7	0.53S	0.22S	0.0	0.01	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.04
8	0.02S	0.05S	0.0	0.42	0.0	0.28	0.0	0.10	0.0	0.20	0.0	0.0 T
9	0.0	0.0	0.01	0.76	0.0	0.0	0.89	0.01	0.0	0.23	0.74	0.0
10	0.0	0.0	0.04	0.0	0.0	0.07	0.15	0.53	0.0	0.0	0.03	0.0
11	0.0	0.0	0.0	0.24	0.0	0.0	0.0	1.01	0.0	0.09	0.0	0.0
12	0.0 T	0.25S	0.0	0.21	1.01	0.0	0.06	0.0	0.0	0.0 T	0.0	0.28
13	0.09	0.0	0.03	0.44	0.0	0.0	0.17	0.0	1.81	0.0	0.0	0.25
14	0.16	0.0	0.11M	0.17	0.0	0.0	0.0	0.0	3.17	0.0	0.0	0.0
15	0.0	0.04M	0.0 T	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.02S
17	0.10E	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.18	0.0	0.0
18	0.0	0.23S	0.0	0.0	0.0	0.0	0.0	1.07	0.0	0.0	0.0	0.0
19	0.0 T	0.03S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.26	0.0	0.0	0.0	0.03	0.20	0.0	0.12	0.0	0.0	0.0	0.0
21	0.19E	0.22	0.0	0.0	0.0	1.26	0.0	0.0 T	0.48	0.0	0.01	0.0
22	0.05S	0.03	0.0	0.0	0.0	0.0	1.60	0.23	0.0	0.0	0.25	0.02E
23	0.0	0.25	0.24	0.0	0.48	0.0	0.01	0.37	0.0	0.03	0.01	0.06
24	0.55E	0.0	0.73	0.0	0.54	0.0	0.0 T	0.32	0.0	0.0 T	0.40	0.50
25	0.16S	1.32M	0.01S	0.0	0.58	0.0	0.69	0.0	0.0	0.05	0.20	0.33
26	0.0	0.17S	0.03S	0.55	0.29	0.0	0.0	0.48	0.0	0.0	0.25	0.01
27	0.16S	0.0	0.0	0.05	0.47	0.0	0.16	0.05	0.02	0.13	0.0	0.0 T
28	0.21S	0.0	0.16	0.0 T	0.03	0.44	0.21	0.24	1.55	0.02	0.13	0.0
29	0.0		0.06	0.0	0.39	0.13	0.23	0.0	0.04	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.04S		0.13		0.18		0.0	0.0		0.0		0.0
TOTAL	3.61	2.86	1.88	4.56	4.66	3.22	4.90	6.89	7.11	1.70	2.54	1.71
STA AV	2.68	2.34	3.45	3.47	3.71	3.93	4.26	3.17	2.88	2.18	2.44	2.42

Air Temperature: See temperature table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 100.
Station Averages: 41 yr beginning 1938 (includes part-year records). Gage 100 discontinued June 1972 to March 1974.
Notes: Code 'E' may reflect estimated storm duration rather than estimated rainfall amount. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1978 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 135

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.023
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.011	0.0	0.0	0.0	0.0
7	0.004	0.0	0.0	0.0	0.0	0.0 T	0.0 T	0.0 T	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.096	0.0	0.0
13	0.0	0.0	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.002	0.0	0.0
14	0.0	0.0	0.036	0.0	0.0	0.0	0.0	0.0	0.036	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
26	0.001	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.037	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0002	0.0	0.0012	0.0	0.0	0.0014	0.0	0.0004	0.0012	0.0031	0.0	0.0009
INCHES	0.046	0.0	0.323	0.0	0.002	0.373	0.003	0.101	0.323	0.863	0.0	0.235
STA AV	0.039	0.119	0.108	0.032	0.016	0.100	0.066	0.037	0.043	0.062	0.003	0.021

Station Averages: 37 yr beginning 1938 (includes part-year records). Measurements discontinued Dec. 1969-Mar. 1974.
Conversion Factor: CFS to IN/DAY, multiply by 8.848198.

1979 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 135

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.013	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.137	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.009	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.002	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.0
23	0.0	0.012	0.0	0.0	0.0	0.0	0.0 T	0.001	0.0	0.0	0.0	0.0
24	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
25	0.0	0.015	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0003	0.0010	0.0	0.0	0.0	0.0001	0.0007	0.0012	0.0047	0.0	0.0	0.0
INCHES	0.070	0.245	0.0	0.0	0.001	0.027	0.205	0.334	1.241	0.0	0.0	0.0
STA AV	0.040	0.122	0.105	0.031	0.015	0.098	0.070	0.045	0.074	0.061	0.003	0.020

Station Averages: 38 yr beginning 1938 (includes part-year records). Measurements discontinued Dec. 1969-Mar. 1974.
Conversion Factor: CFS to IN/DAY, multiply by 8.848198.

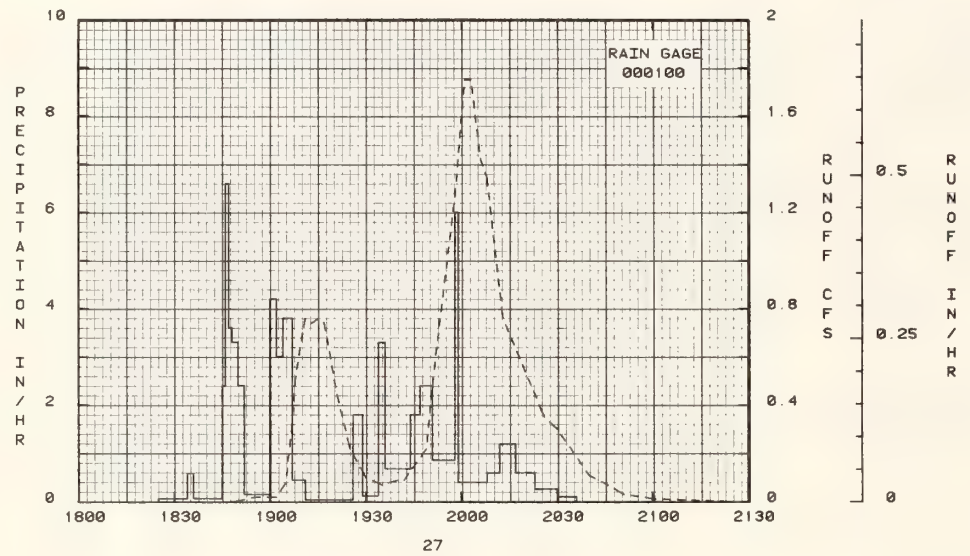
1978 SELECTED RUNOFF EVENT COSHOCTON, OHIO WATERSHED 135

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27, 1978							
RG 000100			RG 000100							
6-27	0.11	0.0	6-27	1825	0.0	0.0	6-27	1848	0.0	0.0
				1834	0.0667	0.01		1852	0.009	0.0001
				1836	0.5997	0.03		1855	0.016	0.0003
				1845	0.0667	0.04		1857	0.020	0.0006
				1846	2.3996	0.08		1902	0.020	0.0012
WATERSHED CONDITIONS:										
Orchardgrass pasture,				1847	6.6016	0.15		1905	0.082	0.0021
heavy growth.				1848	3.5999	0.25		1907	0.328	0.0046
				1850	3.3000	0.36		1908	0.521	0.0072
				1852	2.4001	0.44		1911	0.764	0.0191
				1900	0.1500	0.46		1913	0.738	0.0283
				1902	4.2010	0.60		1915	0.764	0.0375
				1904	3.0002	0.70		1917	0.738	0.0468
				1907	3.8009	0.89		1921	0.438	0.0612
				1911	0.4500	0.92		1925	0.222	0.0693
				1926	0.0400	0.93		1930	0.099	0.0743
				1929	1.7999	1.02		1935	0.067	0.0768
				1934	0.1199	1.03		1940	0.090	0.0792
				1936	3.3000	1.14		1942	0.090	0.0803
				1944	0.6751	1.23		1949	0.222	0.0870
				1947	1.7999	1.32		1952	0.612	0.0947
				1951	2.4001	1.48		1958	1.270	0.1294
				1958	0.8571	1.58		2001	1.750	0.1572
				1959	6.0015	1.68		2003	1.750	0.1788
				2008	0.4000	1.74		2006	1.420	0.2080
				2012	0.5999	1.78		2008	1.340	0.2249
				2017	1.2001	1.88		2013	0.764	0.2573
				2023	0.6000	1.94		2026	0.346	0.3016
				2030	0.2571	1.97		2030	0.296	0.3095
				2036	0.1001	1.98		2040	0.108	0.3219
								2051	0.030	0.3265

Conversion Factor: CFS to IN/HR, multiply by 0.368675.

1978 SELECTED RUNOFF EVENT							CCSHOCTCN, OHIO WATERSHED 135			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27, 1978 (CONTINUED)							
							6-27	2101	0.012	0.3278
								2123	0.002	0.3288
								2150	0.0	0.3290

Conversion Factor: CFS to IN/HR, multiply by 0.368675.



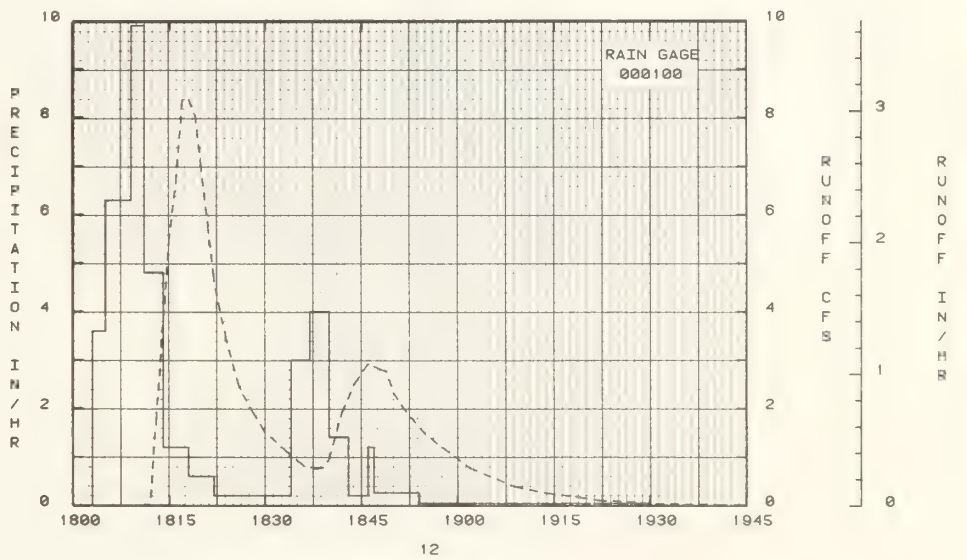
EVENT OF JUNE 27, 1978

CCSHOCTCN, OHIO WATERSHED 135

1978 SELECTED RUNOFF EVENT — COSHOCTON, CHIO WATERSHED 135

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 12, 1978							
RG 000100			RG 000100							
10-12	0.0	0.0	10-12	1803	0.0	0.0	10-12	1810	0.0	0.0
				1805	3.5999	0.12		1812	0.020	0.0001
				1809	6.3000	0.54		1813	1.930	0.0061
				1811	9.9024	0.87		1815	5.600	0.0524
				1814	4.8001	1.11		1816	6.690	0.0901
WATERSHED CONDITIONS: Orchardgrass pasture, heavy growth.				1818	1.2000	1.19		1817	8.360	0.1364
				1820	0.5997	1.21		1818	8.360	0.1877
				1822	0.6001	1.23		1819	8.030	0.2381
				1834	0.2000	1.27		1820	6.890	0.2839
				1837	2.9999	1.42		1821	5.770	0.3228
				1840	3.9999	1.62		1822	4.620	0.3548
				1843	1.4001	1.69		1824	3.350	0.4037
				1846	0.1999	1.70		1826	2.420	0.4392
				1847	1.2003	1.72		1828	1.930	0.4659
				1854	0.2571	1.75		1830	1.500	0.4870
				1930	0.0333	1.77		1834	1.030	0.5181
								1836	0.820	0.5294
								1838	0.764	0.5392
								1839	0.792	0.5440
								1840	0.967	0.5494
								1842	1.930	0.5672
								1844	2.530	0.5946
								1846	2.920	0.6280
								1847	2.860	0.6458
								1849	2.750	0.6803
								1850	2.320	0.6959
								1852	1.930	0.7220
								1855	1.460	0.7532
								1902	0.764	0.8010
								1909	0.381	0.8257
								1914	0.236	0.8351
								1919	0.160	0.8412
								1922	0.099	0.8436
								1931	0.030	0.8472
								1942	0.012	0.8486
								1955	0.002	0.8492
								2003	0.0	0.8492
								2029	0.0	0.8492

Conversion Factor: CFS to IN/HR, multiply by 0.366675.



EVENT OF OCTOBER 12, 1978

COSHOCTON, CHIO WATERSHED 135

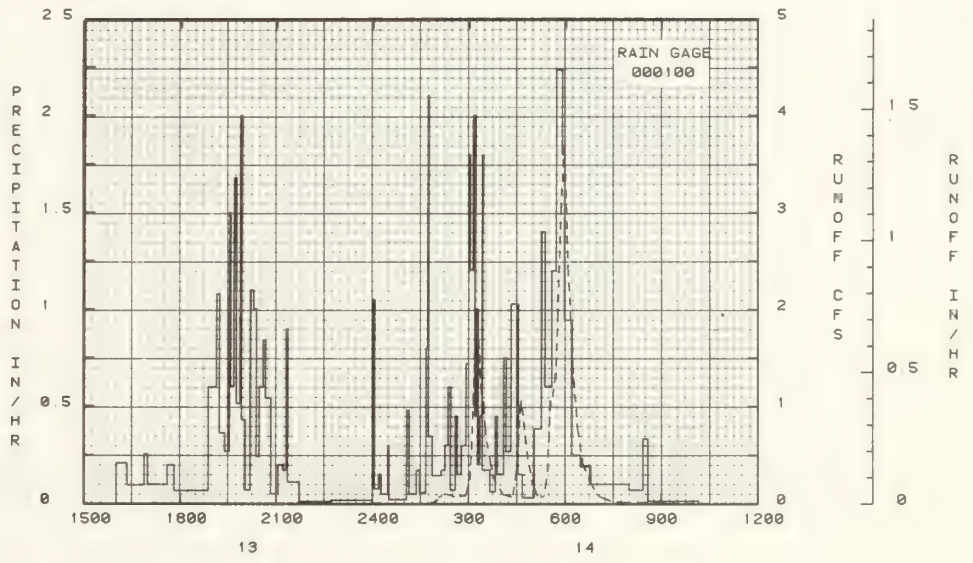
1979 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 135

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
					EVENT OF SEPTEMBER 13 - 14, 1979					
	RG 000100			RG 000100						
9-13	0.05		9-13	1600	0.0	0.0	9-14	141	0.0	0.0
9-14		0.0		1620	0.2100	0.07		145	0.0	0.0
				1652	0.0937	0.12		150	0.012	0.0002
				1659	0.2573	0.15		157	0.020	0.0009
				1736	0.0973	0.21		158	0.030	0.0010
WATERSHED CONDITIONS:										
Orchardgrass pasture,				1748	0.2000	0.25		203	0.035	0.0020
heavy growth.				1816	0.0643	0.28		205	0.067	0.0026
				1852	0.0667	0.32		210	0.082	0.0049
				1908	0.6000	0.48		216	0.099	0.0083
				1913	1.0801	0.57		234	0.074	0.0178
				1923	0.3600	0.63		244	0.082	0.0226
				1932	0.2666	0.67		254	0.082	0.0277
				1934	1.5001	0.72		256	0.099	0.0288
				1940	0.6000	0.78		303	0.265	0.0366
				1945	1.6800	0.92		306	0.566	0.0443
				1952	0.5143	0.98		309	1.130	0.0599
				1955	2.0001	1.08		312	1.750	0.0864
				2002	0.4286	1.13		315	1.830	0.1194
				2011	0.0666	1.14		318	1.750	0.1524
				2017	1.1000	1.25		323	1.200	0.1978
				2023	1.0001	1.35		328	0.998	0.2315
				2028	0.2399	1.37		332	0.712	0.2525
				2035	0.6001	1.44		343	0.363	0.2889
				2040	0.8399	1.51		351	0.209	0.3029
				2050	0.5401	1.60		406	0.090	0.3167
				2103	0.0461	1.61		420	0.074	0.3238
				2112	0.2000	1.64		424	0.099	0.3259
				2119	0.1715	1.66		430	0.363	0.3344
				2121	0.9000	1.69		434	0.712	0.3476
				2143	0.1091	1.73		438	1.060	0.3694
				2243	0.0100	1.74		451	0.458	0.4300
				2400	0.0156	1.76		459	0.209	0.4464
			9-14	4	1.0501	1.83		509	0.082	0.4554
				12	0.0750	1.84		517	0.067	0.4590
				16	0.1501	1.85		521	0.082	0.4608
				29	0.0461	1.86		526	0.265	0.4662
				31	0.2998	1.87		530	0.661	0.4776
				104	0.0182	1.88		533	1.060	0.4934
				109	0.4799	1.92		537	1.100	0.5200
				122	0.0462	1.93		541	1.270	0.5491
				129	0.1713	1.95		544	1.500	0.5746
				140	0.0546	1.98		546	1.930	0.5957
				143	0.7999	2.00		552	3.100	0.6884
				145	2.1002	2.07		557	3.680	0.7926
				152	0.3428	2.11		602	2.980	0.8949
				209	0.1412	2.15		605	2.420	0.9446
				216	0.1713	2.17		610	1.930	1.0115
				222	0.3000	2.20		614	1.420	1.0526
				226	0.6001	2.24		624	0.764	1.1197
				235	0.0666	2.25		634	0.400	1.1555
				239	0.4500	2.28		648	0.209	1.1817
				247	0.1500	2.30		705	0.074	1.1965
				255	0.2999	2.34		725	0.030	1.2029
				300	0.7202	2.40		749	0.012	1.2060
				302	1.7999	2.46		820	0.006	1.2077
				308	1.2000	2.58		854	0.006	1.2089
				311	2.0001	2.68		927	0.0	1.2095
				315	0.4500	2.71		934	0.0	1.2095
				318	0.9998	2.76				
				321	0.2002	2.77				
				325	0.4500	2.80				
				326	1.7999	2.83				
				340	0.1714	2.87				
				350	0.0601	2.88				
				354	0.4500	2.91				
				406	0.1500	2.94				
				410	0.7500	2.99				
				419	0.2666	3.03				
				433	1.0286	3.27				
				441	0.1500	3.29				

Conversion Factor: CFS to IN/HR, multiply by 0.366675.

1979 SELECTED RUNOFF EVENT											COSHOCTON, OHIO WATERSHED 135
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)	
			EVENT OF SEPTEMBER 13 - 14, 1979 (CONTINUED)								
			9-14	502	0.0286	3.30					
				516	0.3857	3.39					
				522	1.4000	3.53					
				535	0.6000	3.66					
				543	1.2000	3.82					
				554	2.2363	4.23					
				558	1.8002	4.35					
				612	0.9429	4.57					
				629	0.2470	4.64					
				648	0.1895	4.70					
				730	0.1000	4.77					
				800	0.1000	4.82					
				826	0.0692	4.85					
				835	0.3334	4.90					
				1010	0.0126	4.92					

Conversion Factor: CFS to IN/HR, multiply by 0.368675.



EVENT OF SEPTEMBER 13 - 14, 1979

COSHOCTON, OHIO WATERSHED 135

LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Tuscarawas River, Muskingum River Basin. Lat. 40 deg. 22 min. 23 sec. N.; long. 81 deg. 47 min. 20 sec. W.

AREA: 1.37 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — COSHOCTON, OHIO WATERSHED 123

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	3.65	0.35	2.70	3.43	4.29	6.45	1.72	6.07	3.42	4.82	1.64	5.00	43.54
	Q	0.737	0.0	2.104	0.047	0.101	1.415	0.050	0.253	0.406	0.830	0.0	1.570	7.519
1979	P	3.37	2.65	1.94	4.57	4.58	3.07	4.72	7.15	6.93	1.83	2.65	1.74	45.20
	Q	0.456	1.338	0.054	0.636	0.002	0.037	0.296	0.692	1.921	0.0	0.026	0.032	5.489
STA AV	P	2.70	2.36	3.45	3.54	3.74	4.12	4.31	3.19	2.92	2.35	2.63	2.54	37.85
	Q	0.388	0.424	0.481	0.270	0.121	0.261	0.192	0.126	0.119	0.068	0.076	0.321	2.846

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	10-12	3.808	10-12	0.781	6-27	1.034	6-27	1.053	6-27	1.053	3-13	1.389	3-12	1.540	3- 6	1.670
1979	9-14	1.564	9-14	0.840	9-14	1.091	9-14	1.708	9-14	1.811	9-13	1.813	9-13	1.813	9-13	1.813
MAXIMUMS FOR PERIOD OF RECORD																
	6-12 1957	5.970	6-12 1957	1.370	6-12 1957	1.480	7- 5 1969	2.054	7- 5 1969	2.131	1-21 1959	2.330	1-21 1959	2.330	3- 4 1964	2.660

Watershed Conditions: Cover of corn, conventional practices.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 26.10-6. For geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Misc. Pub. 1070, pp. 26.10-1 and 26.30-3.
Precipitation: Records began March 16, 1939. Data from rain gage Y103.
Runoff: Records began Dec. 3, 1938. Watershed out of operation July-Dec. 1970.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.

1978 DAILY AIR TEMPERATURE (DEGREES F) — COSHOCTON, OHIO WATERSHED 123

Day	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min
1	35	26	17	-1	24	11	72	41	47	30	88	61	71	62	80	59	75	56	64	51	58	38	43	21
2	25	16	23	12	21	5	43	29	54	34	82	64	67	60	83	63	77	57	62	47	62	31	37	31
3	21	10	23	10	25	16	62	37	64	35	72	52	69	63	77	66	78	57	66	45	67	37	55	32
4	34	9	26	5	17	8	66	41	50	43	74	49	68	61	75	60	76	58	58	47	69	43	57	30
5	39	29	22	10	19	4	52	36	53	43	75	54	75	61	70	59	79	52	64	45	68	47	42	27
6	35	32	10	2	32	14	54	37	51	44	78	50	81	61	76	67	81	59	52	44	68	47	46	31
7	45	34	14	1	27	13	68	41	59	39	73	64	83	63	78	63	83	63	52	39	47	30	47	36
8	49	23	26	6	33	24	53	32	65	56	74	58	83	67	78	61	84	65	49	35	49	32	53	31
9	22	0	25	M	37	19	54	28	67	51	71	55	82	63	81	65	82	66	58	38	51	32	31	17
10	5	-4	24	1	40	21	79	45	60	48	76	52	77	58	78	64	83	64	66	41	51	34	17	10
11	11	3	25	2	43	19	67	46	72	43	83	58	71	54	75	61	79	65	67	45	62	37	29	12
12	15	-1	29	15	35	30	67	42	63	59	83	59	74	51	79	64	76	63	70	55	55	42	37	29
13	26	15	24	14	42	29	56	35	63	54	53	47	74	56	84	66	71	61	59	47	58	42	39	25
14	23	10	24	7	44	32	53	32	53	49	64	41	83	67	84	67	77	59	48	41	58	39	29	21
15	17	6	21	2	36	31	50	35	56	47	70	50	82	63	83	67	77	62	49	40	39	32	41	27
16	15	5	30	15	35	25	51	30	62	45	79	58	76	59	81	69	75	63	44	39	45	35	43	29
17	20	6	25	12	30	19	56	31	67	53	83	69	78	55	84	63	76	65	54	34	59	45	34	29
18	25	12	22	8	34	16	53	41	73	57	85	65	82	57	82	65	83	70	59	33	45	38	34	26
19	20	10	25	2	42	31	65	45	82	57	80	66	83	61	86	65	85	70	54	46	45	37	31	23
20	21	14	29	7	52	23	45	37	81	60	80	61	87	67	73	59	85	69	61	39	41	38	57	27
21	19	10	22	7	56	34	39	33	63	46	78	61	87	71	76	57	84	59	69	41	39	36	39	25
22	19	6	19	6	53	30	50	30	72	44	71	55	87	70	80	59	63	52	73	48	42	35	39	23
23	25	1	25	1	47	41	49	30	65	58	77	54	86	69	81	58	68	49	61	43	51	39	37	24
24	33	13	29	20	39	29	57	46	67	62	79	60	73	65	85	63	71	53	53	32	48	29	40	29
25	39	32	33	24	39	33	51	45	80	58	80	60	78	67	80	64	67	49	62	33	34	29	33	21
26	41	-1	25	17	45	27	62	45	84	62	83	67	82	69	81	60	67	45	61	44	35	30	30	17
27	11	4	25	15	41	33	61	39	87	65	89	68	80	69	82	65	74	47	55	34	47	30	23	11
28	12	4	36	15	57	35	62	39	84	63	82	66	75	61	83	67	61	46	62	38	40	27	23	9
29	14	7			49	29	69	45	85	63	84	67	79	59	77	65	67	41	53	34	37	23	36	17
30	17	6			48	25	55	33	85	65	81	65	72	63	68	59	72	51	65	35	39	25	40	31
31	16	6			70	38			81	65			76	63	71	59			70	36			57	40
AV.	24	11	24	9	39	24	57	38	68	52	78	59	78	62	79	63	76	58	59	41	50	35	39	25
MEAN	17.7		16.5		31.6		47.5		59.6		68.1		70.3		71.0		66.9		50.2		42.8		31.7	
STA AV	33	19	36	20	47	28	58	42	68	49	79	58	81	62	82	61	74	54	65	44	51	33	37	22

Station Averages: 40 yr beginning 1939. Data from North Appalachian Experimental Watershed.

1979 DAILY AIR TEMPERATURE (DEGREES F) — COSHOCTON, OHIO WATERSHED 123

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	57	31	19	11	45	36	55	37	59	38	78	66	63	57	82	69	82	64	76	57	70	44	33	29
2	31	1	25	5	43	35	63	43	73	40	74	64	65	60	78	68	76	68	62	54	52	37	29	18
3	15	-1	27	13	63	36	43	36	65	55	76	62	78	56	80	64	81	66	62	52	52	36	33	12
4	15	9	28	2	62	49	49	34	55	39	82	56	68	54	84	66	85	64	56	48	50	34	41	28
5	19	9	13	-5	49	35	47	35	58	36	80	62	66	50	85	66	80	66	55	42	59	35	56	32
6	21	16	20	-3	43	33	47	24	70	44	80	62	72	53	80	65	80	67	60	40	48	42	48	30
7	21	13	28	-3	52	29	46	22	81	56	81	66	78	53	86	60	71	56	52	43	42	30	46	30
8	18	3	17	4	53	33	60	33	85	62	80	66	80	62	86	69	61	49	58	40	41	30	37	23
9	16	1	11	-1	49	30	55	30	85	67	82	68	67	65	84	68	68	46	53	39	54	39	38	22
10	13	9	15	-4	43	21	46	27	82	67	86	59	76	66	85	70	77	50	49	35	47	34	46	31
11	15	-1	14	-1	25	15	50	31	85	65	68	54	81	64	70	60	73	62	50	34	36	28	61	44
12	25	11	21	8	41	24	68	48	80	51	72	51	83	70	72	59	80	60	55	38	41	26	54	33
13	40	24	18	3	61	29	63	46	60	49	70	48	90	68	74	54	78	62	46	32	43	32	33	28
14	41	9	23	4	55	22	60	41	71	48	80	54	85	68	70	56	64	52	52	34	39	31	34	23
15	15	-3	30	21	23	13	45	40	66	50	83	60	87	70	58	48	65	49	58	34	40	30	42	20
16	28	19	29	-1	44	17	43	36	62	44	82	63	85	67	70	45	71	46	55	48	41	32	42	18
17	39	21	9	-7	59	29	50	39	69	40	82	64	80	63	68	52	73	52	65	50	56	30	21	10
18	27	12	18	2	64	45	55	35	78	51	68	57	75	57	74	57	75	54	72	53	63	41	29	12
19	27	11	22	10	61	45	59	34	76	52	77	53	80	58	80	67	63	47	75	52	62	38	40	28
20	37	27	36	7	65	43	69	41	79	60	82	57	84	63	76	65	68	43	79	60	66	48	42	25
21	34	29	41	31	66	45	76	50	70	48	72	63	83	65	72	65	61	57	80	63	66	46	46	27
22	29	22	39	33	74	45	65	52	66	43	81	63	84	65	79	63	58	49	81	63	60	50	47	40
23	36	20	51	36	70	49	71	49	60	54	72	50	84	64	76	65	65	45	65	39	66	46	51	46
24	37	21	49	33	50	35	77	57	58	50	64	50	76	68	74	63	69	47	42	39	45	37	56	45
25	27	19	35	33	37	26	78	67	50	42	72	49	77	69	75	59	74	51	42	34	61	38	45	32
26	25	20	34	26	29	25	70	50	51	43	74	53	80	68	69	63	78	50	42	28	58	42	34	30
27	31	25	39	25	36	24	55	44	62	48	77	55	76	66	78	67	75	59	52	25	57	37	36	27
28	32	27	44	25	58	19	51	42	61	53	80	62	76	69	79	64	67	61	58	48	57	25	30	26
29	31	23			67	52	52	42	66	50	72	62	80	68	78	65	73	62	61	40	26	23	28	24
30	27	20			70	57	58	42	70	51	66	60	82	62	83	69	75	58	66	36	26	23	28	22
31	25	19			53	39			68	57			86	72	84	62			71	50			28	25
AV.	28	15	27	11	52	33	58	40	68	50	76	59	78	63	77	62	72	55	60	44	51	35	40	27
MEAN	21.1		19.0		42.7		48.9		59.3		67.6		70.6		69.8		63.8		51.7		43.2		33.4	
STA AV	33	19	36	20	47	28	58	42	68	49	79	58	81	62	82	61	74	54	65	44	51	33	37	22

Station Averages: 41 yr beginning 1939. Data from North Appalachian Experimental Watershed.

1978 DAILY PRECIPITATION (INCHES) — COSHOCTON, OHIO WATERSHED 123

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.18E	0.0	0.02S	0.0	0.0	0.0	0.04E	0.0	0.0	0.0	0.0	0.0
2	0.01S	0.0 T	0.0	0.21E	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.07
3	0.0	0.0	0.12S	0.20E	0.0	0.0	0.08E	0.12	0.0 T	0.52	0.0	1.13
4	0.0	0.0	0.0	0.23	0.64E	0.0	0.0	0.0	0.0	0.01	0.0	0.59
5	0.14S	0.09S	0.0	0.0	0.07E	0.0	0.0	0.52E	0.0	0.09	0.0	0.0
6	0.0	0.01S	0.0 T	0.71E	0.0	0.0	0.0	1.63	0.0	0.04	0.0	0.0
7	0.25	0.0	0.0	0.0	0.0	0.86	0.37	0.53	0.0	0.04	0.11	0.05
8	0.96E	0.05S	0.03S	0.0	0.31 Z	0.24	0.04	0.0	0.0	0.0	0.0	1.56
9	0.03S	0.0	0.0	0.0	0.30 Z	0.0	0.0	0.0	0.0	0.0	0.0	0.17E
10	0.0 T	0.0	0.0	0.02E	0.0	0.0	0.0	0.01E	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.09E	0.18E	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.0
12	0.02S	0.0	0.18E	0.0	0.27	0.26	0.0	0.0 T	0.46	2.01	0.12	0.0
13	0.14S	0.10S	0.0	0.0	1.17	0.0	0.0	0.0	0.0	0.74	0.0	0.0
14	0.05S	0.0	0.42E	0.0	0.21	0.0	0.0	0.0	1.87	0.31	0.05	0.0
15	0.0 T	0.0	0.0 T	0.0	0.11E	0.0	0.0	0.0	0.0	0.0	0.06	0.0
16	0.08S	0.02S	0.0 T	0.0	0.03E	0.0	0.0	0.03E	0.42	0.29	0.0	0.06E
17	0.37S	0.0 T	0.02S	0.0	0.15	0.0	0.0	0.0	0.04	0.0	0.73E	0.0
18	0.0 T	0.0	0.0	0.73E	0.14	1.09	0.0	0.0	0.04	0.01E	0.0	0.0
19	0.07S	0.0	0.0	0.29	0.0	0.05	0.0	0.72	0.0	0.0	0.0	0.0
20	0.45S	0.0	0.02E	0.59	0.10	0.06	0.0	0.0	0.0	0.0	0.0	0.16
21	0.03S	0.0	0.09	0.04	0.0	0.02E	0.25	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.03S	0.13E	0.17E	0.37	0.0	0.36	0.0	0.0	0.13E	0.26	0.0
24	0.16	0.0 T	0.03E	0.0 T	0.27	0.0	0.04E	0.0	0.0	0.0	0.0 T	0.15S
25	0.40	0.01S	0.72E	0.06E	0.0	0.46	0.0	0.0	0.0	0.02E	0.0	0.0
26	0.26E	0.04S	0.74	0.0	0.0	1.33	0.0	0.0	0.0	0.29	0.08S	0.02S
27	0.05S	0.0	0.10	0.0	0.0	2.08	0.0	0.20E	0.0	0.0	0.23E	0.0
28	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0 T	0.0
29	0.0 T		0.0	0.0	0.0	0.0	0.03E	0.01E	0.0	0.0	0.0	0.0
30	0.0 T		0.0	0.0	0.15	0.0	0.0	1.45	0.59E	0.0	0.0	0.26
31	0.0 T		0.02E		0.0		0.07	0.38		0.0		0.78
TOTAL	3.65	0.35	2.70	3.43	4.29	6.45	1.72	6.07	3.42	4.82	1.64	5.00
STA AV	2.68	2.35	3.49	3.52	3.71	4.15	4.30	3.09	2.82	2.36	2.62	2.56

Gaging: Rain gage Y103.
Station Averages: 40 yr beginning 1939.
Notes: Code 'E' may reflect estimated storm duration rather than estimated rainfall amounts. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1979 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 123

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.85	0.0 T	0.14	0.51	0.0	0.15	0.12	1.40	0.0	0.0	0.42	0.03S
2	0.13M	0.0	0.0	0.45	0.0	0.0	0.0 T	0.0	0.0	0.39	0.0	0.02S
3	0.0	0.04S	0.0	0.0	0.65	0.0	0.0	0.0	0.0	0.01	0.0	0.0
4	0.0	0.0	0.25	0.69	0.06E	0.0	0.64	0.0	0.0	0.15	0.0	0.0
5	0.06S	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.0	0.0	0.0	0.0
6	0.03S	0.0	0.0	0.05E	0.0	0.10	0.0	0.0 T	0.04	0.04	0.05	0.13
7	0.48S	0.15S	0.0	0.01E	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.02 Z
8	0.0 T	0.02S	0.0	0.38E	0.0	0.29	0.0	0.13	0.0	0.21	0.0	0.02 Z
9	0.0	0.0	0.01	0.80	0.0	0.0	0.87E	0.0 T	0.0	0.24	0.76	0.0
10	0.0	0.0	0.04	0.0	0.0	0.08	0.26	0.62	0.0	0.0	0.04	0.0
11	0.0	0.0	0.0	0.24	0.0	0.0	0.0	1.05	0.0	0.09	0.0	0.0
12	0.0 T	0.24S	0.0	0.17	0.85	0.0	0.02E	0.0	0.0	0.0 T	0.0	0.27
13	0.10E	0.0	0.03	0.45	0.0	0.0	0.15	0.0	1.80	0.0	0.0	0.24
14	0.17	0.0	0.13M	0.17	0.0	0.0	0.0	0.0	2.92	0.0	0.0	0.0
15	0.0	0.03M	0.0 T	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.0	0.03S
17	0.09E	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.19	0.0	0.0
18	0.0	0.23S	0.0	0.0	0.0	0.0	0.0	1.06	0.0	0.0	0.0	0.0
19	0.0 T	0.03S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.24	0.0	0.0	0.0	0.10	0.20	0.0	0.11	0.0	0.0	0.0	0.0
21	0.16	0.20	0.0	0.0	0.0	1.19	0.0	0.0 T	0.49E	0.0	0.02E	0.0
22	0.04S	0.02	0.0	0.0	0.0	0.0	1.31E	0.25	0.0	0.0	0.26	0.01E
23	0.0	0.26	0.26	0.0	0.48	0.0	0.01E	0.33	0.0	0.04	0.0 T	0.07
24	0.51E	0.0	0.74	0.0	0.61	0.0	0.0 T	0.27	0.0	0.0 T	0.44	0.54
25	0.12S	1.28M	0.0 T	0.0	0.49	0.0	0.77	0.0	0.0	0.08	0.18	0.36
26	0.0	0.15S	0.03S	0.59	0.29	0.0	0.0	0.50	0.0	0.0	0.24	0.0 T
27	0.17S	0.0	0.0	0.05	0.46	0.0	0.16	0.05	0.02	0.13	0.0	0.0 T
28	0.20S	0.0	0.15	0.0 T	0.04	0.39	0.17E	0.25	1.63	0.02	0.14	0.0
29	0.0		0.07E	0.0	0.34	0.11E	0.24	0.0	0.03E	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.02S		0.09		0.21		0.0	0.0		0.0		0.0
TOTAL	3.37	2.65	1.94	4.57	4.58	3.07	4.72	7.15	6.93	1.83	2.65	1.74
STA AV	2.70	2.36	3.45	3.54	3.74	4.12	4.31	3.19	2.92	2.35	2.63	2.54

Gaging: Rain gage Y103.
Station Averages: 41 yr beginning 1939.
Notes: Code 'E' may reflect estimated storm duration rather than estimated rainfall amounts. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1978 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 123

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.009
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.027
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0
7	0.013	0.0	0.0	0.0 T	0.0	0.0	0.003	0.005	0.0	0.0	0.0	0.0
8	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.036
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.007
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.045	0.0	0.0
13	0.0	0.0	0.018	0.0	0.004	0.0	0.0	0.0	0.0	0.003	0.0	0.0
14	0.0	0.0	0.068	0.0	0.002	0.0	0.0	0.0	0.021	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.001	0.0	0.005	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
26	0.024	0.0	0.019	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0 T	0.0	0.0	0.061	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.010
MEAN	0.0014	0.0	0.0039	0.0001	0.0002	0.0027	0.0001	0.0005	0.0008	0.0015	0.0	0.0029
INCHES	0.737	0.0	2.104	0.047	0.101	1.415	0.050	0.258	0.406	0.830	0.0	1.570
STA AV	0.386	0.401	0.491	0.261	0.124	0.266	0.189	0.112	0.073	0.070	0.077	0.329

Station Averages: 40 yr beginning 1939 (includes part-year records). Station out of operation July-Dec. 1970.
Conversion Factor: CFS to IN/DAY, multiply by 17.37347.

1979 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 123

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.026	0.0	0.003	0.0	0.0	0.0	0.0	0.016	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0 T	0.009	0.0	0.0	0.0 E	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.018	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0 T	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.104	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.009	0.0 T	0.0	0.0	0.0	0.0
23	0.0	0.021	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
24	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.041	0.0	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.002
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0008	0.0028	0.0001	0.0012	0.0	0.0001	0.0005	0.0013	0.0037	0.0	0.0	0.0001
INCHES	0.456	1.338	0.054	0.636	0.002	0.037	0.296	0.692	1.921	0.0	0.026	0.032
STA AV	0.388	0.424	0.481	0.270	0.121	0.261	0.192	0.126	0.119	0.068	0.076	0.321

Station Averages: 41 yr beginning 1939 (includes part-year records). Station out of operation July-Dec. 1970.
Conversion Factor: CFS to IN/DAY, multiply by 17.37347.

1978 SELECTED RUNOFF EVENT COSHOCTON, OHIO WATERSHED 123

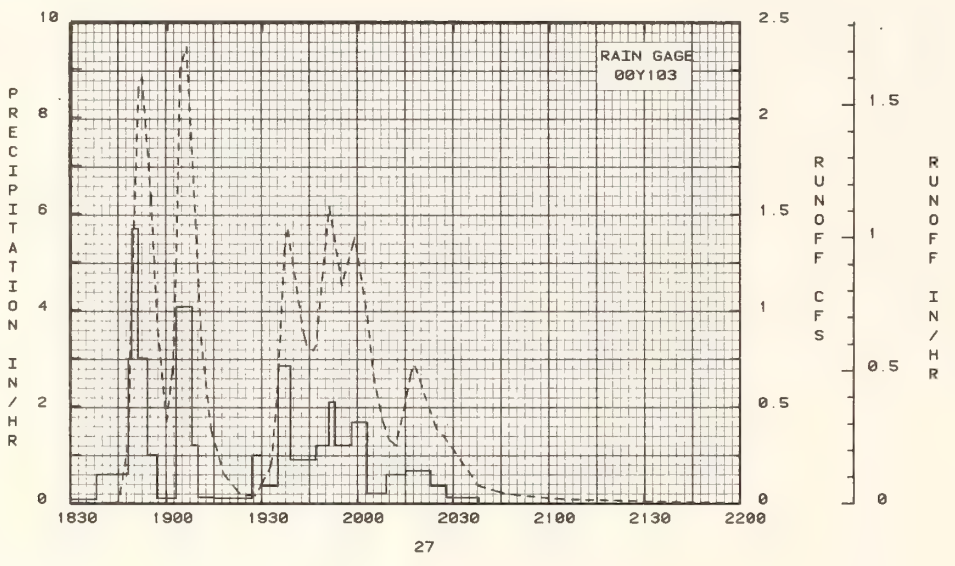
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JUNE 27, 1978						
RG 00Y103				RG 00Y103						
6-27	0.11	0.0	6-27	1830	0.0	0.0	6-27	1843	0.0	0.0
				1838	0.0751	0.01		1845	0.009	0.0001
				1842	0.5999	0.05		1848	0.296	0.0056
				1848	0.6000	0.11		1849	1.130	0.0142
				1849	2.9980	0.16		1851	2.160	0.0539
WATERSHED CONDITIONS:										
Field of alfalfa				1851	5.7014	0.35		1852	2.210	0.0803
and orchardgrass				1854	2.9999	0.50		1855	1.580	0.1489
replanted in				1857	1.0001	0.55		1857	0.936	0.1792
conventional corn.				1903	0.1001	0.56		1900	0.419	0.2037
				1908	4.0800	0.90		1902	0.712	0.2174
				1910	1.1998	0.94		1903	1.270	0.2294
				1915	0.1201	0.95		1904	2.260	0.2506
				1927	0.0999	0.97		1906	2.370	0.3065
				1930	1.0001	1.02		1909	1.460	0.3758
				1935	0.3600	1.05		1911	0.820	0.4033
				1939	2.8500	1.24		1914	0.381	0.4251
				1947	0.9000	1.36		1918	0.149	0.4378
				1951	1.2000	1.44		1923	0.053	0.4439
				1953	2.1002	1.51		1925	0.041	0.4451
				1955	1.1998	1.55		1928	0.041	0.4465
				1958	1.2000	1.61		1930	0.099	0.4482
				2003	1.6800	1.75		1933	0.196	0.4536
				2009	0.2000	1.77		1935	0.612	0.4633
				2015	0.6000	1.83		1937	1.310	0.4865
				2023	0.6751	1.92		1938	1.420	0.5030
				2028	0.3600	1.95		1943	0.877	0.5723
				2038	0.1199	1.97		1944	0.820	0.5825
								1946	0.792	0.6020
								1947	0.820	0.6117
								1949	1.200	0.6360

Conversion Factor: CFS to IN/HR, multiply by 0.723895.

1978 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 123

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27, 1978 (CONTINUED)							
							6-27	1951	1.540	0.6691
								1955	1.130	0.7335
								1959	1.380	0.7941
								2003	0.967	0.8507
								2005	0.661	0.8704
								2008	0.419	0.8899
								2010	0.328	0.8989
								2012	0.296	0.9065
								2015	0.521	0.9213
								2017	0.686	0.9358
								2018	0.712	0.9442
								2025	0.381	0.9904
								2027	0.346	0.9992
								2038	0.090	1.0281
								2040	0.082	1.0302
								2046	0.053	1.0351
								2051	0.041	1.0379
								2105	0.025	1.0435
								2130	0.012	1.0491
								2208	0.002	1.0523
								2235	0.0	1.0526
								2400	0.0	1.0526

Conversion Factor: CFS to IN/HR, multiply by 0.723895.



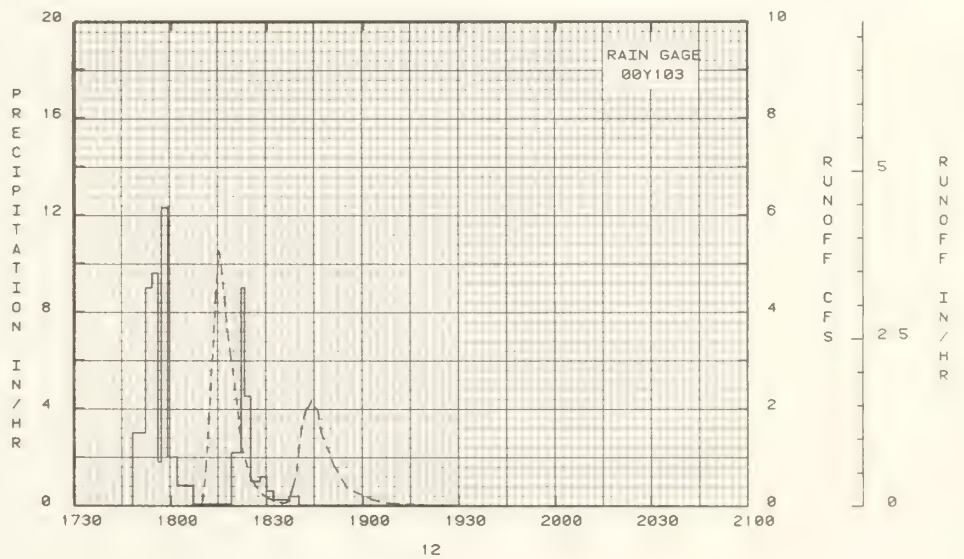
EVENT OF JUNE 27, 1978

COSHOCTON, OHIO WATERSHED 123

1978 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 123

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF OCTOBER 12, 1978						
RG 00Y103			RG 00Y103							
10-12	0.0	0.0	10-12	1748	0.0	0.0	10-12	1805	0.0	0.0
				1752	3.0000	0.20		1809	0.0	0.0
				1754	8.9981	0.50		1810	0.099	0.0006
				1756	9.5979	0.82		1811	0.792	0.0060
				1757	1.7999	0.85		1812	1.930	0.0224
WATERSHED CONDITIONS:										
Field of alfalfa				1759	12.3030	1.26		1813	2.980	0.0520
and orchardgrass				1802	2.0001	1.36		1814	4.310	0.0960
replanted in				1807	0.8399	1.43		1815	5.260	0.1537
conventional corn.				1819	0.0500	1.44		1816	4.770	0.2142
				1822	2.2000	1.55		1817	4.100	0.2677
				1823	8.9939	1.70		1818	3.410	0.3130
				1825	4.5011	1.85		1819	2.980	0.3516
				1828	1.0001	1.90		1821	1.930	0.4108
				1830	1.1998	1.94		1822	1.230	0.4299
				1832	0.6001	1.96		1825	0.566	0.4624
				1837	0.2401	1.98		1827	0.363	0.4736
				1840	0.4001	2.00		1829	0.209	0.4805
				1930	0.0120	2.01		1832	0.099	0.4861
								1835	0.053	0.4888
								1837	0.099	0.4906
								1838	0.363	0.4934
								1839	0.566	0.4990
								1840	1.130	0.5093
								1841	1.660	0.5261
								1842	1.930	0.5478
								1844	2.160	0.5971
								1846	1.930	0.6465
								1847	1.500	0.6671
								1851	0.820	0.7231
								1855	0.363	0.7517
								1903	0.118	0.7749
								1909	0.041	0.7806
								1921	0.009	0.7843
								1930	0.002	0.7849
								1935	0.0	0.7849
								2005	0.0	0.7849

Conversion Factor: CFS to IN/HR, multiply by 0.723895.



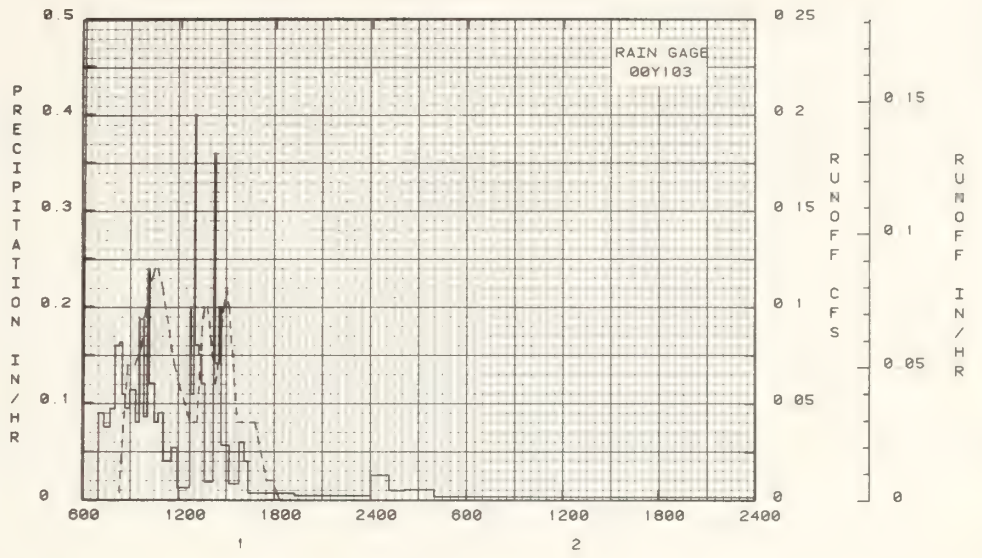
EVENT OF OCTOBER 12, 1978

COSHOCTON, OHIO WATERSHED 123

1979 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 123

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 1 - 2, 1979							
RG 00Y103			RG 00Y103							
1- 1	0.0	0.0	1- 1	655	0.0	0.0	1- 1	803	0.0	0.0
				715	0.0900	0.03		813	0.004	0.0002
				739	0.0750	0.06		821	0.020	0.0014
				758	0.0947	0.09		844	0.067	0.0135
				813	0.1600	0.13		912	0.067	0.0361
WATERSHED CONDITIONS:										
Cover of corn stalks.				824	0.1636	0.16		937	0.082	0.0586
				835	0.1091	0.18		952	0.099	0.0749
				854	0.0947	0.21		1007	0.108	0.0937
				915	0.1143	0.25		1025	0.118	0.1182
				930	0.0800	0.27		1036	0.118	0.1339
				946	0.1875	0.32		1054	0.108	0.1584
				1000	0.0857	0.34		1140	0.074	0.2089
				1005	0.2400	0.36		1158	0.060	0.2235
				1025	0.1200	0.40		1240	0.041	0.2491
				1040	0.0800	0.42		1252	0.035	0.2546
				1100	0.0900	0.45		1300	0.041	0.2582
				1115	0.0400	0.46		1306	0.041	0.2612
				1130	0.0400	0.47		1325	0.090	0.2762
				1152	0.0545	0.49		1334	0.099	0.2865
				1240	0.0125	0.50		1344	0.099	0.2984
				1243	0.2000	0.51		1400	0.082	0.3159
				1254	0.1091	0.53		1416	0.060	0.3296
				1257	0.4000	0.55		1446	0.099	0.3584
				1312	0.1600	0.59		1456	0.108	0.3708
				1320	0.1500	0.61		1505	0.099	0.3821
				1335	0.1200	0.64		1539	0.041	0.4108
				1408	0.0182	0.65		1600	0.035	0.4204
				1413	0.3600	0.68		1646	0.035	0.4398
				1430	0.1412	0.72		1730	0.012	0.4523
				1436	0.2000	0.74		1750	0.006	0.4545
				1508	0.0562	0.77		1820	0.002	0.4559
				1545	0.0162	0.78		1900	0.0	0.4564
				1605	0.0600	0.80		2140	0.0	0.4564
				1620	0.0400	0.81		2400	0.0	0.4564
				1915	0.0069	0.83				
				2400	0.0042	0.85				
			1- 2	110	0.0257	0.88				
				210	0.0100	0.89				
				400	0.0109	0.91				
				2400	0.0035	0.98				

Conversion Factor: CFS to IN/HR, multiply by 0.723895.



EVENT OF JANUARY 1 - 2, 1979

COSHOCTON, OHIO WATERSHED 123

LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Tuscarawas River, Muskingum River Basin. Lat. 40 deg. 22 min. 11 sec. N.; long. 81 deg. 47 min. 39 sec. W.

AREA: 1.69 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — COSHOCTON, OHIO WATERSHED 109

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.91	0.27	2.39	3.21	4.09	6.34	1.75	5.88	3.23	4.37	1.39	4.63	40.46
1978	Q	0.145	0.0				0.264	0.000	0.014	0.002	0.057	0.0	0.025	
	P	3.15	1.98	1.90	4.35	4.66	3.15	5.01	6.96	6.79	1.86	2.55	1.66	44.02
1979	Q	0.008	0.013	0.0	0.009	0.000	0.000	0.027	0.015	0.472	0.0	0.0	0.0	0.545
STA AV	P	2.57	2.20	3.37	3.47	3.72	4.08	4.32	3.11	2.93	2.28	2.54	2.42	37.01
	Q	0.077	0.210	0.102	0.044	0.080	0.236	0.251	0.132	0.052	0.012	0.002	0.023	1.221

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval: 1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	6-27	0.489	6-27	0.219	6-27	0.254	6-27	0.255	6-27	0.255	6-26	0.255	6-25	0.264	6-19	0.264
1979	9-14	1.097	9-14	0.407	9-14	0.427	9-14	0.471	9-13	0.472	9-13	0.472	9-13	0.472	9-13	0.472
MAXIMUMS FOR PERIOD OF RECORD																
	5-17	4.340	6-29	0.820	6-28	1.090	7- 5	1.416	3- 4	1.920	3- 4	2.170	3- 3	2.550	3- 1	2.660
	1941		1941		1940		1969		1963		1963		1963		1963	

Watershed Conditions: 1978 - Meadow with a stand of orchardgrass and alfalfa. 1979 - No-till corn.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 26.13-4. For geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Misc. Pub. 1070, pp. 26.13-1 and 26.30-3.
Precipitation: Records began May 9, 1937. Data from rain gage Y102.
Runoff: Records began Nov. 1938. Watershed out of operation Mar. 30-May 1, 1978 and May 18-May 30, 1978.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.

1978 DAILY PRECIPITATION (INCHES) — COSHOCTON, OHIO WATERSHED 109

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.20M	0.0	0.01S	0.0	0.0	0.0	0.03E	0.0	0.0	0.0	0.0	0.0
2	0.02S	0.0 T	0.0	0.16E	0.0	0.0	0.46	0.0	0.0	0.0	0.0	0.07E
3	0.0	0.0	0.05S	0.19E	0.0	0.0	0.07	0.12E	0.0 T	0.50	0.0	1.03
4	0.0	0.0	0.0	0.20	0.55E	0.0	0.0	0.0	0.0	0.03E	0.0	0.64
5	0.09S	0.07S	0.0	0.0	0.06E	0.0	0.0	0.55	0.0	0.10	0.0	0.0
6	0.0	0.01S	0.0 T	0.67	0.0	0.0	0.0	1.41	0.0	0.03	0.0	0.0
7	0.23	0.0	0.0	0.0	0.0	0.88	0.40	0.51	0.0	0.03E	0.10	0.03
8	1.00E	0.03S	0.03S	0.0	0.48	0.24	0.05E	0.0	0.0	0.0	0.0	1.46
9	0.05S	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.14M
10	0.0 T	0.0	0.0	0.02E	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.10E	0.15E	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0
12	0.02S	0.0	0.16	0.0	0.26	0.23E	0.0	0.0 T	0.35	1.65	0.10	0.0
13	0.09S	0.05S	0.0	0.0	1.09	0.0	0.0	0.0	0.0	0.70	0.0	0.0
14	0.03S	0.0	0.40	0.0	0.20	0.0	0.0	0.0	1.82	0.29	0.05	0.0
15	0.0 T	0.0	0.0 T	0.0	0.11E	0.0	0.0	0.0	0.0	0.0	0.04	0.0
16	0.03S	0.02S	0.0 T	0.0	0.02E	0.0	0.0	0.03E	0.41E	0.25E	0.0	0.04
17	0.15S	0.0 T	0.02S	0.0	0.19	0.0	0.0	0.0	0.03	0.0	0.68	0.0
18	0.0 T	0.0	0.0	0.65E	0.15	1.11	0.0	0.0	0.02	0.02	0.0	0.0
19	0.07S	0.0	0.0	0.29	0.0	0.06	0.0	0.73	0.0	0.0	0.0	0.0
20	0.07S	0.0	0.02E	0.63	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.16
21	0.04S	0.0	0.09	0.04	0.0	0.01	0.29	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.04S	0.09E	0.16E	0.34	0.0	0.33	0.0	0.0	0.11E	0.22	0.0
24	0.12	0.0 T	0.02E	0.0 T	0.28	0.0	0.03	0.0	0.0	0.0	0.01	0.09M
25	0.37	0.01S	0.63	0.05E	0.0	0.43	0.0	0.0	0.0	0.03E	0.0	0.0
26	0.28E	0.04S	0.67	0.0	0.0	1.26	0.0	0.0	0.0	0.33	0.06S	0.04S
27	0.05S	0.0	0.08	0.0	0.0	2.05	0.0	0.20E	0.0	0.0	0.13M	0.0
28	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.47E	0.0	0.0	0.0 T	0.0
29	0.0 T		0.0	0.0	0.0	0.0	0.06E	0.02E	0.0	0.0	0.0	0.0
30	0.0 T		0.0	0.0	0.15	0.0	0.0	1.47	0.60	0.0	0.0	0.24
31	0.0 T		0.02E		0.0		0.03	0.37		0.0		0.69
TOTAL	2.91	0.27	2.39	3.21	4.09	6.34	1.75	5.88	3.23	4.37	1.39	4.63
STA AV	2.56	2.20	3.40	3.44	3.70	4.11	4.30	3.01	2.83	2.29	2.54	2.43

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage Y102.
Station Averages: 41 yr beginning 1938 (includes part-year records).
Notes: Code 'E' may reflect estimated storm duration rather than estimated rainfall amounts. Code 'Z' indicates that an accurately measured total for a series of days has been divided equally among coded days.

1979 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 109

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.83	0.0 T	0.13	0.46	0.0	0.14	0.13	1.41	0.0	0.0	0.45	0.04S
2	0.14F	0.0	0.0	0.44	0.0	0.0	0.0 T	0.0	0.0	0.39	0.0	0.02S
3	0.0	0.04S	0.0	0.0	0.65E	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.24	0.60	0.05E	0.0	0.58	0.0	0.0	0.15	0.0	0.0
5	0.05S	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.0	0.0	0.0	0.0
6	0.04S	0.0	0.0	0.04E	0.0	0.12	0.0	0.01	0.05	0.05	0.05	0.14
7	0.21S	0.13S	0.0	0.02E	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.04
8	0.0 T	0.02S	0.0	0.37E	0.0	0.26	0.0	0.12	0.0	0.20	0.0	0.0 T
9	0.0	0.0	0.01	0.78	0.0	0.0	0.87	0.01	0.0	0.26	0.71	0.0
10	0.0	0.0	0.05	0.0	0.0	0.09	0.14	0.54	0.0	0.0	0.05	0.0
11	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.93	0.0	0.11	0.0	0.0
12	0.0 T	0.14S	0.0	0.15	1.04	0.0	0.07E	0.0	0.0	0.0 T	0.0	0.28
13	0.08E	0.0	0.02	0.48	0.0	0.0	0.17	0.0	1.74	0.0	0.0	0.15
14	0.21E	0.0	0.14M	0.16	0.0	0.0	0.0	0.0	2.84	0.0	0.0	0.0
15	0.0	0.0 T	0.01S	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.07S
17	0.11F	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.19	0.0	0.0
18	0.0	0.12S	0.0	0.0	0.0	0.0	0.0	1.11	0.0	0.0	0.0	0.0
19	0.0 T	0.01S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.22	0.0	0.0	0.0	0.06E	0.19	0.0	0.11E	0.0	0.0	0.0	0.0
21	0.15F	0.18	0.0	0.0	0.0	1.24	0.0	0.0 T	0.49	0.0	0.01	0.0
22	0.05S	0.01E	0.0	0.0	0.0	0.0	1.65	0.21	0.0	0.0	0.21	0.01
23	0.0	0.25	0.24	0.0	0.48E	0.0	0.03	0.36	0.0	0.05	0.02	0.07
24	0.50F	0.0	0.75	0.0	0.53	0.0	0.0 T	0.34	0.0	0.0 T	0.42	0.48
25	0.17S	1.01M	0.0 T	0.0	0.49	0.0	0.78	0.0	0.0	0.08	0.15	0.35
26	0.0	0.07S	0.02S	0.52	0.30	0.0	0.0	0.45	0.0	0.0	0.25	0.01
27	0.12S	0.0	0.0	0.06	0.43	0.0	0.17	0.06	0.05	0.13	0.0	0.0 T
28	0.22S	0.0	0.15	0.0 T	0.04	0.45	0.20	0.25	1.58	0.02	0.14	0.0
29	0.0		0.05E	0.0	0.40	0.13	0.22	0.0	0.04	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.46	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.04S		0.09		0.19		0.0	0.0		0.0		0.0
TOTAL	3.15	1.98	1.90	4.35	4.66	3.15	5.01	6.96	6.79	1.86	2.55	1.66
STA AV	2.57	2.20	3.37	3.47	3.72	4.08	4.32	3.11	2.93	2.28	2.54	2.42

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage Y102.
Station Averages: 42 yr beginning 1938 (includes part-year records).
Notes: Code 'E' may reflect estimated storm duration rather than estimated rainfall amounts. Code 'Z' indicates that an accurately measured total for a series of days has been divided equally among coded days.

1978 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 109

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	NR	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T
4	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
5	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	NR	0.0	0.0 T	0.0 T	0.0 T	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T
9	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0
13	0.0	0.0	0.0	NR	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0 T	NR	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
15	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	NR	NR	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	NR	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	NR	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	NR	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	NR	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	NR	NR	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	NR	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	NR	NR	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
26	0.010	0.0	0.0 T	NR	NR	0.001	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	NR	NR	0.018	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	NR	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	NR	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		NR	NR	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		NR		0.0		0.0	0.0		0.0		0.0
MEAN	0.0003	0.0				0.0006	0.0	0.0	0.0	0.0001	0.0	0.0001
INCHES	0.145	0.0				0.264	0.000	0.014	0.002	0.057	0.0	0.025
STA AV	0.079	0.215	0.105	0.045	0.082	0.242	0.256	0.135	0.042	0.012	0.000	0.024

Station Averages: 41 yr beginning 1938 (includes part-year records). Watershed out of operation Mar. 30-May 1, 1978 and May 18-May 30, 1978.
Conversion Factor: CFS to IN/DAY, multiply by 14.08382.

1979 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 109

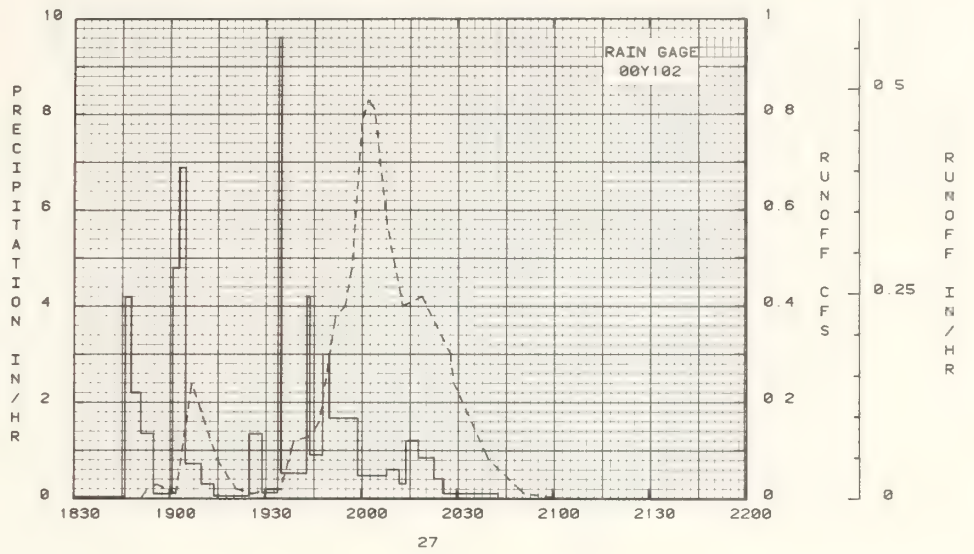
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.034	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.001	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0001	0.0	0.0011	0.0	0.0	0.0
INCHES	0.008	0.013	0.0	0.009	0.000	0.000	0.027	0.015	0.472	0.0	0.0	0.0
STA AV	0.077	0.210	0.102	0.044	0.080	0.236	0.251	0.132	0.052	0.012	0.002	0.023

Station Averages: 42 yr beginning 1938 (includes part-year records). Watershed out of operation Mar. 30-May 1, 1978 and May 18-May 30, 1978.
Conversion Factor: CFS to IN/DAY, multiply by 14.08382.

1978 SELECTED RUNOFF EVENT COSHOCTON, OHIO WATERSHED 109

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF JUNE 27, 1978										
RG 00Y102			RG 00Y102							
6-27	0.08	0.0	6-27	1830	0.0	0.0	6-27	1848	0.0	0.0
				1840	0.0375	0.01		1850	0.004	0.0000
				1848	4.2010	0.15		1851	0.002	0.0001
				1851	2.2000	0.26		1853	0.019	0.0003
				1855	1.3499	0.35		1856	0.029	0.0010
WATERSHED CONDITIONS:										
Meadow with a stand of orchardgrass and alfalfa.				1901	0.1001	0.36		1902	0.007	0.0020
				1903	4.8012	0.52		1907	0.235	0.0080
				1905	6.8985	0.75		1915	0.077	0.0202
				1910	0.7200	0.81		1921	0.019	0.0230
				1914	0.3001	0.83		1926	0.007	0.0236
				1925	0.0545	0.84		1931	0.019	0.0243
				1929	1.3499	0.93		1935	0.019	0.0250
				1934	0.1199	0.94		1939	0.123	0.0278
				1935	9.6023	1.10		1944	0.134	0.0341
				1943	0.5251	1.17		1947	0.156	0.0383
				1944	4.2010	1.24		1952	0.384	0.0515
				1948	0.9000	1.30		1955	0.403	0.0631
				1950	3.0002	1.40		1957	0.484	0.0717
				1959	1.6667	1.65		2000	0.777	0.0902
				2008	0.4667	1.72		2002	0.833	0.1060
				2012	0.5999	1.76		2004	0.805	0.1220
				2014	0.2998	1.77		2008	0.573	0.1490
				2018	1.2000	1.85		2013	0.403	0.1728
				2023	0.8401	1.92		2019	0.422	0.1970
				2026	0.3998	1.94		2028	0.296	0.2286
				2043	0.1059	1.97		2029	0.235	0.2312
								2040	0.085	0.2484
								2051	0.014	0.2538
								2103	0.002	0.2547
								2115	0.0	0.2548

Conversion Factor: CFS to IN/HR, multiply by 0.586826.



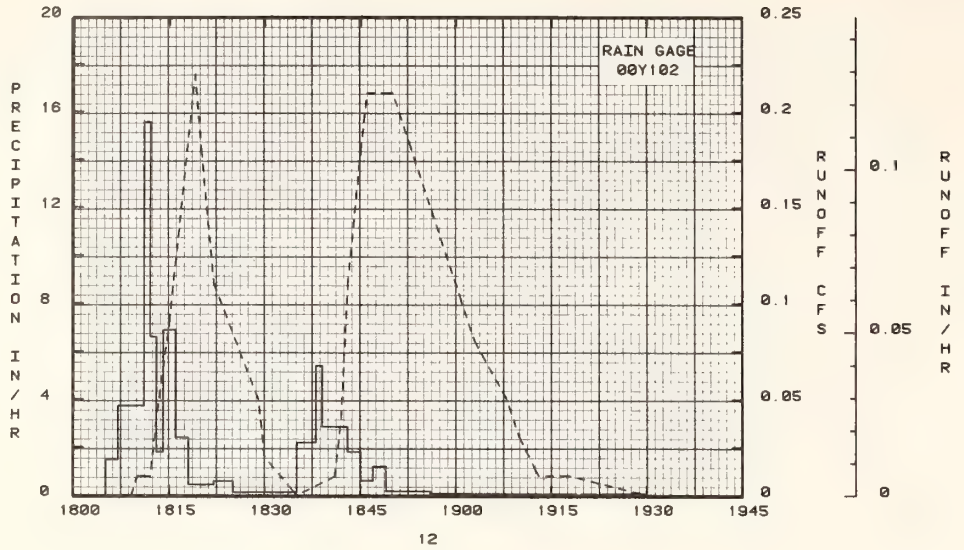
EVENT CP JUNE 27, 1978

COSHOCTON, OHIO WATERSHED 109

1978 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 109

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT CP OCTOBER 12, 1978						
	RG 00Y102			RG 00Y102						
10-12	0.0	0.0	10-12	1805	0.0	0.0	10-12	1809	0.0	0.0
				1807	1.5001	0.05		1810	0.007	0.0000
				1811	3.7500	0.30		1812	0.014	0.0002
				1812	15.5895	0.56		1813	0.035	0.0005
				1813	6.6016	0.67		1815	0.094	0.0017
WATERSHED CONDITIONS:										
Meadow with a stand of				1814	1.7999	0.70		1819	0.220	0.0079
orchardgrass and alfalfa.				1816	6.8985	0.93		1820	0.181	0.0098
				1818	2.4001	1.01		1822	0.113	0.0127
				1822	0.4500	1.04		1829	0.047	0.0182
				1825	0.6000	1.07		1830	0.023	0.0185
				1835	0.1199	1.09		1835	0.004	0.0192
				1838	2.2000	1.20		1841	0.007	0.0195
				1839	5.4007	1.29		1842	0.035	0.0197
				1843	2.8498	1.48		1843	0.113	0.0204
				1845	1.8004	1.54		1845	0.181	0.0233
				1847	0.5997	1.56		1846	0.207	0.0252
				1849	1.2003	1.60		1850	0.207	0.0333
				1856	0.1713	1.62		1853	0.181	0.0390
				1930	0.0530	1.65		1858	0.134	0.0467
								1901	0.103	0.0502
								1903	0.077	0.0520
								1908	0.047	0.0550
								1910	0.029	0.0557
								1913	0.014	0.0564
								1918	0.007	0.0569
								1930	0.0	0.0573

Conversion Factor: CFS to IN/HR, multiply by 0.586826.



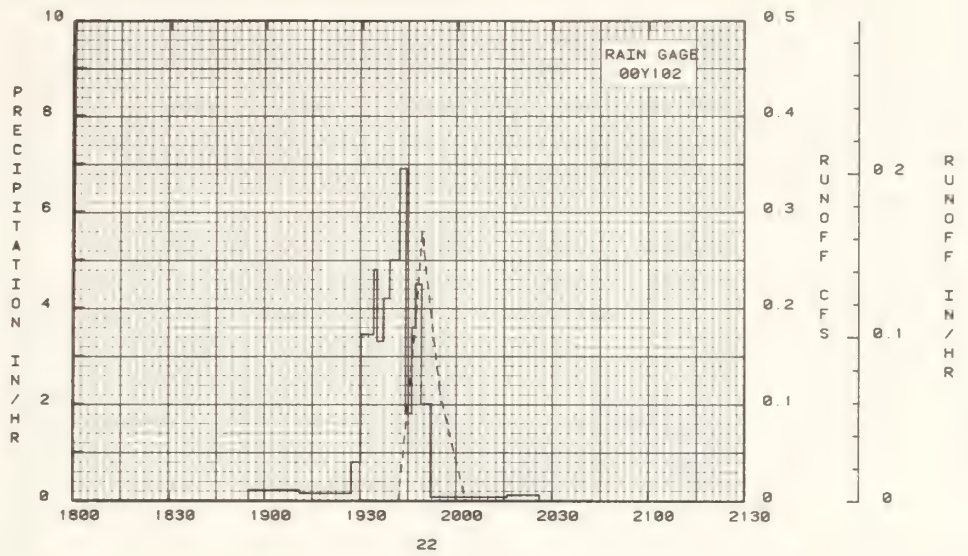
EVENT OF OCTOBER 12, 1978

COSHOCTON, OHIO WATERSHED 109

1979 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 109

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JULY 22, 1979							
RG 00Y102			RG 00Y102							
7-22	0.0	0.0	7-22	1855	0.0	0.0	7-22	1932	0.0	0.0
				1911	0.2250	0.06		1942	0.004	0.0002
				1927	0.1500	0.10		1947	0.181	0.0047
				1930	0.7999	0.14		1949	0.280	0.0092
				1934	3.4502	0.37		1955	0.113	0.0208
WATERSHED CONDITIONS:										
No-till corn.				1935	4.8012	0.45		2003	0.002	0.0253
				1937	3.3000	0.56		2014	0.0	0.0254
				1939	4.2000	0.70				
				1942	5.0000	0.95				
				1944	6.9017	1.18				
				1946	1.7999	1.24				
				1947	3.6009	1.30				
				1949	4.4990	1.45				
				1952	1.9998	1.55				
				2016	0.0750	1.58				
				2026	0.1200	1.60				
				2200	0.0128	1.62				
				2310	0.0171	1.64				
				2320	0.0601	1.65				

Conversion Factor: CFS to IN/HR, multiply by 0.586826.



EVENT CP JULY 22, 1979

COSHOCTON, OHIO WATERSHED 109

LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Walhonding River, Muskingum River Basin. Lat. 40 deg. 21 min. 54 sec. N.; long. 81 deg. 47 min. 42 sec. W.

AREA: 1.27 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) COSHOCTON, OHIO WATERSHED 110

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	3.61	0.25	2.48	3.30	4.28	6.08	1.91	5.87	3.18	3.96	1.52	4.75	41.19
1978	Q	0.193	0.0	0.610	0.003	0.074		0.000	0.000	0.116	0.293	0.0	0.416	
	P	3.15	2.40	1.91	4.45	4.59	3.10	5.24	6.68	6.80	1.76	2.56	1.71	44.35
1979	Q	0.109	0.697	0.0	0.081	0.0	0.0	0.350	0.626	1.486	0.0	0.014	0.0	3.364
STA AV	P	2.60	2.14	3.25	3.36	3.57	3.91	4.17	3.03	2.91	2.19	2.48	2.38	35.99
	Q	0.220	0.240	0.332	0.123	0.098	0.296	0.261	0.104	0.171	0.037	0.016	0.107	2.005

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	10-12	0.804	10-12	0.273	6-27	0.323	6-27	0.328	3-14	0.455	3-13	0.542	3-12	0.553	3- 6	0.557
1979	9-14	1.687	9-14	0.840	9-14	0.998	9-14	1.392	8-18	1.496	8-18	1.496	8-18	1.496	8-10	1.537
MAXIMUMS FOR PERIOD OF RECORD																
	7-28	4.440	9- 1	2.240	9- 1	3.160	9- 1	3.190	9- 1	3.190	9- 1	3.200	3- 3	4.120	3- 1	5.050
	1950		1950		1950		1950		1950		1950		1963		1963	

Watershed Conditions: Pasture with cover of orchardgrass.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 26.14-5. For geology description and map see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Misc. Pub. 1070, pp. 26.15-1 and 26.30-3.
Precipitation: Records began July 1, 1939. Data from rain gage 107.
Runoff: Records began March 10, 1939. Measurements discontinued March 1970 to March 1974 and Jun. 1-Jun. 13, 1978.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.

1978 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 110

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.21E	0.0	0.01S	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
2	0.01S	0.0 T	0.0	0.20	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.07
3	0.0	0.0	0.08S	0.21	0.0	0.0	0.10	0.12	0.02	0.48	0.0	1.16
4	0.0	0.0	0.0	0.19	0.59	0.0	0.0	0.0	0.0	0.02	0.0	0.53
5	0.13S	0.06S	0.0	0.0	0.03E	0.0	0.0	0.67	0.0	0.09	0.0	0.0
6	0.0	0.01S	0.0 T	0.65E	0.0	0.0	0.0	1.27	0.0	0.03	0.0	0.0
7	0.27E	0.0	0.0	0.0	0.0	0.88E	0.36	0.51	0.0	0.03	0.08	0.05
8	1.08E	0.03S	0.02S	0.0	0.49	0.25E	0.06	0.0	0.0	0.0	0.0	1.49
9	0.06S	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.17M
10	0.0 T	0.0	0.0	0.02E	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.12E	0.16E	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0
12	0.02S	0.0	0.16	0.0	0.27	0.21	0.0	0.0 T	0.39	1.31	0.10	0.0
13	0.14S	0.09S	0.0	0.0	1.13	0.0	0.0	0.0	0.0	0.71	0.0	0.0
14	0.09S	0.0	0.44	0.0	0.22	0.0	0.0	0.0	1.75E	0.30	0.03	0.0
15	0.0 T	0.0	0.0 T	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.07	0.0
16	0.05S	0.02S	0.0 T	0.0	0.06	0.0	0.0	0.02	0.37	0.27	0.0	0.04
17	0.25S	0.0 T	0.02S	0.0	0.20	0.0	0.0	0.0	0.02 Z	0.0	0.69	0.0
18	0.0 T	0.0	0.0	0.67E	0.13	0.55 Z	0.0	0.0	0.02 Z	0.02	0.0	0.0
19	0.04S	0.0	0.0	0.33	0.0	0.54 Z	0.0	0.66	0.0	0.0	0.0	0.0
20	0.22S	0.0	0.03E	0.57	0.12	0.05	0.0	0.0	0.0	0.0	0.0	0.13E
21	0.04S	0.0	0.09	0.07E	0.0	0.03E	0.32	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.01S	0.08E	0.16E	0.37E	0.0	0.33	0.0	0.0	0.10	0.28	0.0
24	0.12	0.0 T	0.03E	0.0 T	0.26	0.0	0.03	0.0	0.0	0.0	0.01	0.10S
25	0.42	0.0 T	0.64E	0.07	0.0	0.44	0.0	0.0	0.0	0.01	0.0	0.0
26	0.41E	0.03S	0.68	0.0	0.0	1.11	0.0	0.0	0.0	0.30	0.07S	0.01S
27	0.04S	0.0	0.07	0.0	0.0	2.02	0.0	0.22	0.0	0.0	0.19M	0.0
28	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.42E	0.0	0.0	0.0 T	0.0
29	0.0 T		0.0	0.0	0.0	0.0	0.06	0.02	0.0	0.0	0.0	0.0
30	0.0 T		0.0	0.0	0.15	0.0	0.0	1.58	0.61	0.0	0.0	0.27E
31	0.01S		0.01E		0.0		0.10	0.37		0.0		0.73
TOTAL	3.61	0.25	2.48	3.30	4.28	6.08	1.91	5.87	3.18	3.96	1.52	4.75
STA AV	2.59	2.13	3.29	3.33	3.55	3.93	4.14	2.94	2.81	2.21	2.48	2.40

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 107.
Station Averages: 40 yr beginning 1939 (includes part-year records).
Notes: Code 'Z' indicates accurately measured total for a series has been equally divided among coded days. Code 'E' may reflect estimated storm duration rather than estimated rainfall amounts.

1979 DAILY PRECIPITATION (INCHES) [illegible], OHIO WATERSHED 110

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.82	0.0 T	0.12	0.50	0.0	0.14	0.12	1.40	0.0	0.0	0.40	0.0
2	0.11	0.0	0.0	0.45	0.0	0.0	0.0 T	0.0	0.0	0.37	0.0	0.02S
3	0.0	0.05S	0.0	0.0	0.64	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.26	0.62	0.06	0.0	0.63	0.0	0.0	0.15	0.0	0.0
5	0.06S	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.0	0.0	0.0	0.0
6	0.02S	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.05	0.05	0.03	0.14
7	0.37S	0.20S	0.0	0.02	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0
8	0.01S	1.04S	0.0	0.40	0.0	0.0	0.0	0.11	0.0	0.20	0.0	0.0 T
9	0.0	0.0	0.01	0.78	0.0	0.0	0.92	0.02	0.0	0.22	0.73	0.0
10	0.0	0.0	0.0	0.0	0.0	0.07	0.07	0.40	0.0	0.0	0.04	0.0
11	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.93	0.0	0.10	0.0	0.0
12	0.0 T	0.17S	0.0	0.17	0.0	0.0	0.08	0.0	0.0	0.0 T	0.0	0.27
13	0.06E	0.0	0.02	0.46	0.0	0.0	0.18	0.0	1.72	0.0	0.0	0.23
14	0.18	0.0	0.12M	0.18	0.0	0.0	0.0	0.0	2.92	0.0	0.0	0.0
15	0.0	0.02M	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.08E	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.04S
17	0.07E	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.18	0.0	0.0
18	0.0	0.14S	0.0	0.0	0.0	0.0	0.0	1.13	0.0	0.0	0.0	0.0
19	0.0 T	0.01S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.24	0.0	0.0	0.0	0.03	0.0	0.0	0.10	0.0	0.0	0.0	0.0
21	0.19E	0.22	0.0	0.0	0.0	1.18	0.0	0.0 T	0.0	0.0	0.01	0.0
22	0.04S	0.02	0.0	0.0	0.0	0.0	1.86	0.22	0.0	0.0	0.25	0.01E
23	0.0	0.25	0.24	0.0	0.45	0.0	0.0 T	0.34	0.0	0.02	0.01	0.08
24	0.49E	0.0	0.74	0.0	0.0	0.0	0.0 T	0.32	0.0	0.0 T	0.41	0.52
25	0.12S	1.10M	0.0 T	0.0	0.50	0.0	0.75	0.0	0.0	0.07	0.19	0.32
26	0.0	0.12S	0.02S	0.54	0.26	0.0	0.0	0.45	0.0	0.0	0.26	0.02
27	0.15S	0.0	0.0	0.06	0.47	0.0	0.19	0.05	0.05	0.15	0.0	0.0 T
28	0.18S	0.0	0.14	0.0 T	0.04	0.31	0.19	0.25	1.56	0.02	0.15	0.0
29	0.0		0.05	0.0	0.50	0.18	0.25	0.0	0.04	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.03S		0.14		0.19		0.0	0.0		0.0		0.0
TOTAL	3.15	2.40	1.91	4.45	4.59	3.10	5.24	6.69	6.80	1.76	2.56	1.71
STA AV	2.60	2.14	3.25	3.36	3.57	3.91	4.17	3.03	2.91	2.19	2.48	2.38

Air Temperature: See table for Watershed 123, p. 26.01-1.
Gaging: Rain gage 107.
Station Averages: 41 yr beginning 1949 (includes part-year records).
Notes: Code 'S' indicates accurately measured total for a series that was equally divided among coded days. Code 'E' may reflect estimated storm duration rather than estimated rainfall amounts.

1978 MEAN DAILY DISCHARGE (CFS) [illegible], OHIO WATERSHED 110

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.002
4	0.0	0.0	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.009
5	0.0	0.0	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0 T	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0 T	0.0	0.0	0.0	0.0	NR	0.0 T	0.0 T	0.0	0.0	0.0	0.0
8	0.0 T	0.0	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.009
9	0.0	0.0	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.001
10	0.0	0.0	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	NR	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0 T	0.0	0.0	NR	0.0	0.0	0.0 T	0.015	0.0	0.0
13	0.0	0.0	0.004	0.0	0.004	NR	0.0	0.0	0.0	0.001	0.0	0.0
14	0.0	0.0	0.026	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0 T	0.0	0.0 T	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
26	0.009	0.0	0.003	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.018	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.001
MEAN	0.0003	0.0	0.0011	0.0	0.0001		0.0	0.0	0.0002	0.0005	0.0	0.0007
INCHES	0.193	0.0	0.610	0.003	0.074		0.000	0.000	0.116	0.293	0.0	0.418
STA AV	0.223	0.226	0.242	0.125	0.100	0.304	0.259	0.089	0.134	0.038	0.017	0.113

Station Averages: 36 yr beginning 1939 (includes part-year records). Measurements discontinued Mar. 1970-Mar. 1974 and Jun. 1-Jun. 13, 1978.
Conversion Factor: CFS to IN/DAY, multiply by 18.94146.

1979 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 110

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.016	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.076	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.010	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.015	0.0	0.0	0.0	0.0	0.0
23	0.0	0.017	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
24	0.001	0.001	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
25	0.0	0.019	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0002	0.0013	0.0	0.0001	0.0	0.0	0.0006	0.0011	0.0026	0.0	0.0	0.0
INCHES	0.109	0.697	0.0	0.081	0.0	0.0	0.350	0.626	1.486	0.0	0.014	0.0
STA AV	0.220	0.240	0.332	0.123	0.098	0.296	0.261	0.104	0.171	0.037	0.016	0.107

Station Averages: 37 yr beginning 1939 (includes part-year records). Measurements discontinued Mar. 1970-Mar. 1974 and Jun. 1-Jur. 13, 1978.
Conversion Factor: CFS to IN/DAY, multiply by 18.74146.

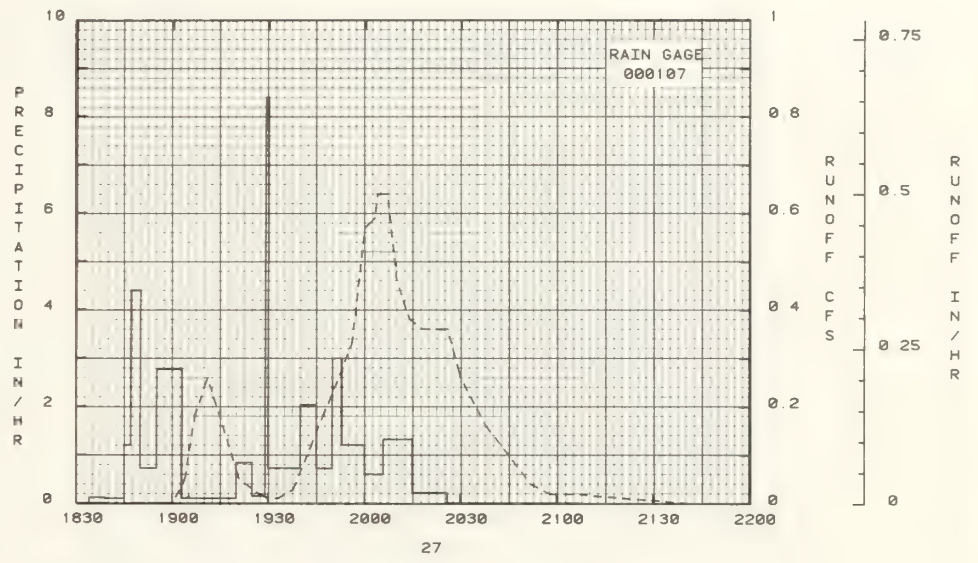
1978 SELECTED RUNOFF EVENT COSHOCTON, OHIO WATERSHED 110

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JUNE 27, 1978						
RG 0C0107				RG 000107						
6-27	0.11	0.0	6-27	1834	0.0	0.0	6-27	1847	0.0	0.0
				1839	0.1201	0.01		1851	0.0	0.0
				1845	0.0999	0.02		1852	0.004	0.0000
				1847	1.1998	0.06		1857	0.004	0.0003
				1850	4.4000	0.28		1900	0.0	0.0004
WATERSHED CONDITIONS:										
Pasture with a cover				1855	0.7200	0.34		1904	0.053	0.0017
of orchardgrass.				1903	2.7751	0.71		1907	0.184	0.0064
				1920	0.1059	0.74		1910	0.236	0.0146
				1925	0.8399	0.81		1911	0.265	0.0178
				1929	0.1501	0.82		1921	0.046	0.0381
				1930	8.3943	0.96		1927	0.016	0.0405
				1940	0.7200	1.08		1930	0.009	0.0410
				1945	2.0400	1.25		1933	0.006	0.0413
				1950	0.7200	1.31		1938	0.030	0.0424
				1953	3.0002	1.46		1944	0.128	0.0486
				2000	1.2000	1.60		1947	0.184	0.0547
				2006	0.6000	1.66		1949	0.209	0.0598
				2015	1.3333	1.86		1956	0.328	0.0843
				2026	0.2182	1.90		2000	0.566	0.1075
				2107	0.0146	1.91		2003	0.588	0.1301
								2004	0.636	0.1380
								2007	0.636	0.1629
								2010	0.458	0.1842
								2014	0.381	0.2061
								2018	0.363	0.2254
								2026	0.363	0.2632
								2030	0.265	0.2796
								2038	0.160	0.3017
								2052	0.041	0.3200
								2058	0.025	0.3226

Conversion Factor: CFS to IN/HR, multiply by 0.780894.

1978 SELECTED RUNOFF EVENT							CCSHOCTON, OHIO WATERSHED 110			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27, 1978 (CONTINUED)							
							6-27	2105	0.016	0.3245
								2143	0.0	0.3284

Conversion Factor: CFS to IN/HR, multiply by 0.780894.



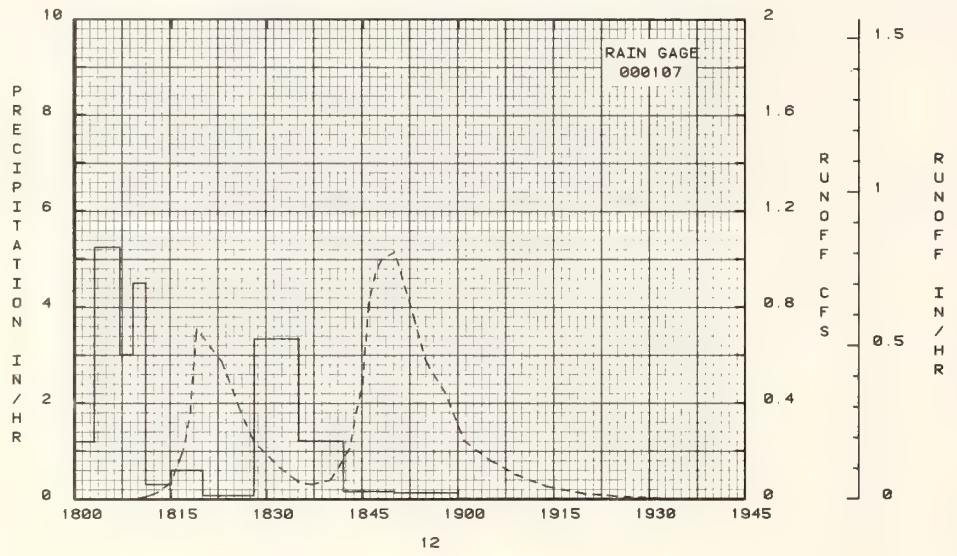
EVENT OF JUNE 27, 1978

CCSHOCTON, OHIO WATERSHED 110

1978 SELECTED RUNOFF EVENT — COSHOCTON, CHIO WATERSHED 110

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 12, 1978							
RG 000107				RG 000107						
10-12	0.0	0.0	10-12	1800	0.0	0.0	10-12	1808	0.0	0.0
				1803	1.2003	0.06		1809	0.002	0.0000
				1807	5.2499	0.41		1811	0.006	0.0001
				1809	3.0002	0.51		1813	0.030	0.0006
WATERSHED CONDITIONS:				1811	4.5011	0.66		1815	0.067	0.0018
Pasture with a cover				1815	0.3001	0.68		1817	0.209	0.0054
of orchardgrass.				1820	0.6000	0.73		1818	0.363	0.0091
				1828	0.0750	0.74		1819	0.712	0.0161
				1835	3.3429	1.13		1823	0.566	0.0494
				1842	1.2000	1.27		1826	0.363	0.0676
				1850	0.1500	1.29		1828	0.236	0.0754
				1900	0.1200	1.31		1832	0.128	0.0848
								1835	0.074	0.0888
								1837	0.060	0.0905
								1840	0.082	0.0933
								1843	0.209	0.0990
								1844	0.363	0.1027
								1845	0.479	0.1082
								1846	0.820	0.1166
								1847	0.936	0.1280
								1848	0.998	0.1406
								1850	1.030	0.1670
								1853	0.764	0.2020
								1855	0.566	0.2193
								1858	0.438	0.2389
								1901	0.236	0.2521
								1905	0.160	0.2624
								1909	0.099	0.2692
								1914	0.053	0.2741
								1920	0.020	0.2770
								1925	0.006	0.2778
								1933	0.0	0.2781

Conversion Factor: CFS to IN/HR, multiply by 0.780894.



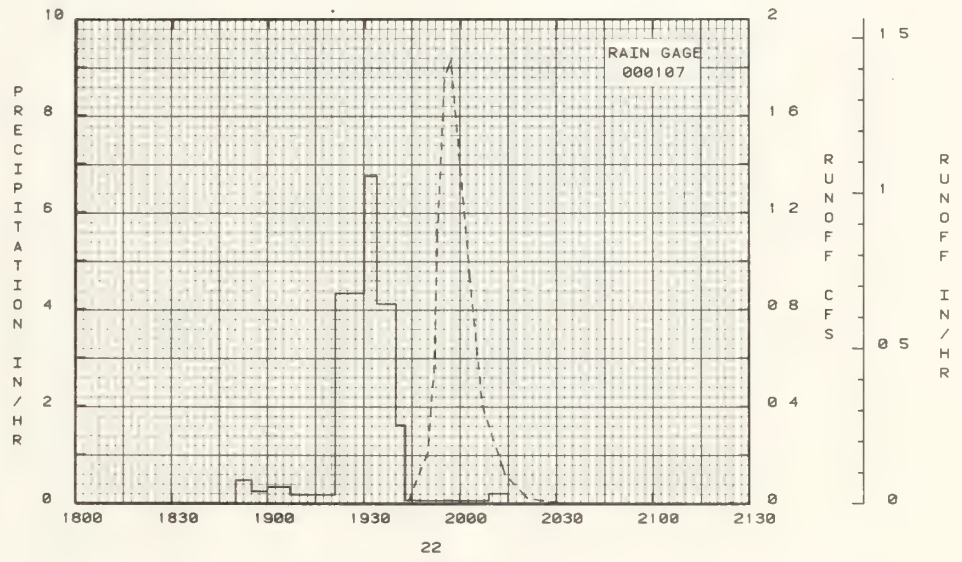
EVENT OF OCTOBER 12, 1978

COSHOCTON, OHIO WATERSHED 110

1979 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 110

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JULY 22, 1979							
RG 000107			RG 000107							
7-22	0.0	0.0	7-22	1850	0.0	0.0	7-22	1942	0.0	0.0
				1855	0.4799	0.04		1943	0.002	0.0000
				1900	0.2401	0.06		1944	0.009	0.0001
				1907	0.3428	0.10		1950	0.209	0.0086
				1921	0.1715	0.14		1952	0.566	0.0187
WATERSHED CONDITIONS: Pasture with a cover of orchardgrass.				1930	4.3333	0.79		1953	1.130	0.0297
				1934	6.7500	1.24		1955	1.750	0.0672
				1940	4.1000	1.65		1957	1.830	0.1138
				1943	1.6000	1.73		2003	0.936	0.2218
				2009	0.0462	1.75		2007	0.400	0.2566
				2015	0.1999	1.77		2014	0.118	0.2802
				2145	0.0133	1.79		2021	0.016	0.2863
				2200	0.0800	1.81		2026	0.006	0.2870
				2255	0.0109	1.82		2032	0.0	0.2872
				2315	0.0600	1.84				
				2340	0.0480	1.86				

Conversion Factor: CFS to IN/HR, multiply by 0.780894.



EVENT OF JULY 22, 1979

COSHOCTON, OHIO WATERSHED 110

LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Walhonding River, Muskingum River Basin. Lat. 40 deg. 21 min. 39 sec. N.; long. 81 deg. 48 min. 02 sec. W.

AREA: 1.42 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) COSHOCTON, OHIO WATERSHED 121

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	3.28	0.17	2.50	3.42	4.14	6.16	1.89	5.58	3.06	3.87	1.32	4.58	39.97
1978	Q	0.993	0.0	2.253	0.062	0.084	0.465	0.000	0.0	0.006	0.002	0.007	0.226	4.099
	P	2.78	1.83	1.78	4.28	4.52	3.11	4.96	6.32	6.58	1.72	2.55	1.56	41.99
1979	Q	0.623	1.263	0.063	0.780	0.002	0.028	0.162	0.072	1.669	0.009	0.035	0.0	4.705
STA AV	P	2.56	2.06	3.16	3.29	3.60	3.94	4.25	3.03	2.94	2.19	2.43	2.33	35.77
	Q	0.273	0.270	0.360	0.179	0.057	0.196	0.190	0.103	0.109	0.016	0.015	0.078	1.848

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	6-27	1.076	6-27	0.398	6-27	0.442	1-26	0.618	3-14	0.884	3-13	1.266	3-12	1.451	3- 8	2.109
1979	9-14	1.348	9-14	0.654	9-14	0.771	9-14	1.152	9-13	1.214	9-13	1.301	9-13	1.475	9-13	1.597
MAXIMUMS FOR PERIOD OF RECORD																
	8-23	7.820	9- 1	1.320	9- 1	1.390	9- 1	1.390	9- 1	1.390	9- 1	1.390	3- 3	1.660	3- 8	2.109
	1944		1950		1950		1950		1950		1950		1963		1978	

Watershed Conditions: Pasture.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 26.20-5. For geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Misc. Pub. 1070, pp. 26.19-1 and 26.30-3.
Precipitation: Records began March 20, 1939. Data from rain gage 113.
Runoff: Records began April 1939. Measurements discontinued March 1970 to April 1972 and Nov. 1972 to April 1974.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.

1978 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 121

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.17E	0.0	0.02S	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0
2	0.02S	0.0 T	0.0	0.23E	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.06
3	0.0	0.0	0.06S	0.21	0.0	0.0	0.08	0.10	0.06	0.53	0.0	1.09
4	0.0	0.0	0.0	0.20	0.54	0.0	0.0	0.0	0.0	0.01E	0.0	0.62
5	0.15S	0.01S	0.0	0.0	0.06E	0.0	0.0	0.65	0.0	0.10	0.0	0.0
6	0.0	0.01S	0.0 T	0.65	0.0	0.0	0.0	1.16	0.0	0.03	0.0	0.0
7	0.25	0.0	0.0	0.0	0.0	0.96	0.33	0.51	0.0	0.03	0.10E	0.05
8	0.86F	0.03S	0.02S	0.0	0.53	0.24	0.05	0.0	0.0	0.0	0.0	1.38
9	0.20S	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.11M
10	0.0 T	0.0	0.0	0.02S	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.14	0.15E	0.0	0.0	0.0	0.0	0.0	0.29E	0.0	0.0
12	0.02S	0.0	0.14	0.0	0.27	0.24	0.0	0.0 T	0.41E	1.16	0.07	0.0
13	0.11S	0.04S	0.0	0.0	1.05	0.0	0.0	0.0	0.0	0.69	0.0	0.0
14	0.03S	0.0	0.40	0.0	0.21	0.0	0.0	0.0	1.64	0.31	0.06	0.0
15	0.0 T	0.0	0.0 T	0.0	0.09F	0.0	0.0	0.0	0.0	0.0	0.06E	0.0
16	0.07S	0.02S	0.0 T	0.0	0.03E	0.0	0.0	0.02	0.31	0.25	0.0	0.05
17	0.18S	0.0 T	0.02S	0.0	0.23E	0.0	0.0	0.0	0.03	0.0	0.65	0.0
18	0.0 T	0.0	0.0	0.64E	0.07	1.06	0.0	0.0	0.0 T	0.02	0.0	0.0
19	0.04S	0.0	0.0	0.40	0.0	0.03	0.0	0.76	0.0	0.0	0.0	0.0
20	0.19S	0.0	0.03E	0.62	0.15	0.06	0.0	0.0	0.0	0.0	0.0	0.15E
21	0.02S	0.0	0.09E	0.03	0.0	0.03E	0.31	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.02S	0.09E	0.20	0.36	0.0	0.35	0.0	0.0	0.11	0.24	0.0
24	0.20	0.0 T	0.04	0.0 T	0.24	0.0	0.03	0.0	0.0	0.0	0.0 T	0.09S
25	0.36	0.0 T	0.64	0.07E	0.0	0.46	0.0	0.0	0.0	0.02E	0.0	0.0
26	0.36M	0.04S	0.71	0.0	0.0	0.96	0.0	0.0	0.0	0.32	0.01S	0.02S
27	0.05S	0.0	0.08	0.0	0.0	2.12	0.0	0.21E	0.0	0.0	0.13M	0.0
28	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0 T	0.0
29	0.0 T		0.0	0.0	0.0	0.0	0.02E	0.02	0.0	0.0	0.0	0.0
30	0.0 T		0.0	0.0	0.17	0.0	0.0	1.41	0.61	0.0	0.0	0.26
31	0.0 T		0.02E		0.0		0.16	0.35		0.0		0.70
TOTAL	3.28	0.17	2.50	3.42	4.14	6.16	1.89	5.58	3.06	3.87	1.32	4.58
STA AV	2.55	2.07	3.19	3.26	3.57	3.96	4.23	2.95	2.85	2.20	2.43	2.35

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 113.
Station Averages: 40 yr beginning 1939. Includes part-year records.
Notes: Code 'Z' indicates an accurately measured total for a series of days has been equally divided among coded days. Code 'F' may reflect estimated storm duration rather than estimated rainfall amounts.

1979 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 121

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.80	0.0 T	0.12	0.47	0.0	0.12	0.12	1.44	0.0	0.0	0.42	0.04S
2	0.09E	0.0	0.0	0.44	0.0	0.0	0.0 T	0.0	0.0	0.38	0.0	0.01S
3	0.0	0.05S	0.0	0.0	0.63	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.27	0.57	0.07	0.0	0.54	0.0	0.0	0.15	0.0	0.0
5	0.05S	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.0	0.0	0.0	0.0
6	0.01S	0.0	0.0	0.05	0.0	0.07	0.0	0.04	0.05	0.03E	0.05	0.13E
7	0.21S	0.11S	0.0	0.02	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.03
8	0.01S	0.02S	0.0	0.38	0.0	0.32	0.0	0.11	0.0	0.21	0.0	0.0 T
9	0.0	0.0	0.01	0.78	0.0	0.0	0.93	0.03	0.0	0.22	0.70	0.0
10	0.0	0.0	0.04	0.0	0.0	0.05	0.08	0.37	0.0	0.0	0.03	0.0
11	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.75	0.0	0.10	0.0	0.0
12	0.0 T	0.02S	0.0	0.16	0.87	0.0	0.05	0.0	0.0	0.0 T	0.0	0.24
13	0.05	0.0	0.04	0.45	0.0	0.0	0.15	0.0	1.60	0.0	0.0	0.22
14	0.18	0.0	0.07M	0.17	0.0	0.0	0.0	0.0	2.81	0.0	0.0	0.0
15	0.0	0.01M	0.0 T	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.03S
17	0.06E	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.17	0.0	0.0
18	0.0	0.09S	0.0	0.0	0.0	0.0	0.0	1.13	0.0	0.0	0.0	0.0
19	0.0 T	0.01S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.23	0.0	0.0	0.0	0.07E	0.21	0.0	0.09	0.0	0.0	0.0	0.0
21	0.16E	0.23	0.0	0.0	0.0	1.22	0.0	0.0 T	0.49	0.0	0.01E	0.0
22	0.02S	0.04	0.0	0.0	0.0	0.0	1.68	0.16	0.0	0.0	0.27	0.01E
23	0.0	0.24	0.22	0.0	0.44	0.0	0.01	0.32	0.0	0.03E	0.01	0.07
24	0.48E	0.0	0.68	0.0	0.50	0.0	0.0 T	0.37	0.0	0.0 T	0.41	0.50
25	0.12S	0.98M	0.0 T	0.0	0.46	0.0	0.82	0.0	0.0	0.06	0.19	0.28
26	0.0	0.03S	0.01S	0.51	0.24	0.0	0.0	0.47	0.0	0.0	0.25	0.0 T
27	0.13S	0.0	0.0	0.05	0.48	0.0	0.16	0.05	0.03	0.14	0.0	0.0 T
28	0.17S	0.0	0.14	0.0 T	0.03	0.34	0.18	0.28	1.56	0.01	0.14E	0.0
29	0.0		0.04E	0.0	0.60	0.19	0.24	0.0	0.04	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.01S		0.14		0.13		0.0	0.0		0.0		0.0
TOTAL	2.78	1.83	1.78	4.28	4.52	3.11	4.96	6.32	6.58	1.72	2.55	1.56
STA AV	2.56	2.06	3.16	3.29	3.60	3.94	4.25	3.03	2.94	2.19	2.43	2.33

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 113.
Station Averages: 41 yr beginning 1939. Includes part-year records.
Notes: Code 'Z' indicates an accurately measured total for a series of days has been equally divided among coded days. Code 'E' may reflect estimated storm duration rather than estimated rainfall amounts.

1978 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 121

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
4	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.005	0.0	0.0	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
8	0.004	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.003
9	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.010	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.028	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
13	0.0	0.0	0.022	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.062	0.0	0.0 T	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
15	0.0	0.0	0.001	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0
18	0.0	0.0	0.0	0.0 T	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.001	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.006	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.044	0.0	0.005	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.001	0.0	0.0	0.027	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.005
MEAN	0.0019	0.0	0.0043	0.0001	0.0002	0.0009	0.0	0.0	0.0	0.0	0.0	0.0004
INCHES	0.993	0.0	2.253	0.062	0.084	0.465	0.000	0.0	0.006	0.002	0.007	0.226
STA AV	0.263	0.242	0.369	0.162	0.059	0.200	0.191	0.104	0.067	0.017	0.015	0.080

Station Averages: 38 yr beginning 1939 (includes part-year records). Measurements discontinued March 1970 to April 1972 and Nov. 1972 to April 1974.
Conversion Factor: CFS to IN/DAY, multiply by 16.76173.

1979	MEAN DAILY DISCHARGE (CFS)					COSHOCTON, OHIO WATERSHED 121						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.011	0.0	0.003	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0 T	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.011	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
10	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0
11	0.0	0.0	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0
14	0.001	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.077	0.0	0.0	0.0
15	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.009	0.0	0.0	0.0
16	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.007	0.008	0.0	0.0	0.0	0.002	0.0	0.0	0.002	0.0	0.0	0.0
22	0.0	0.002	0.0	0.0	0.0	0.0	0.009	0.0	0.0	0.0	0.0	0.0
23	0.0	0.020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0 T	0.035	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
26	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.001	0.0
27	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0012	0.0027	0.0001	0.0016	0.0	0.0001	0.0003	0.0001	0.0033	0.0	0.0001	0.0
INCHES	0.623	1.263	0.063	0.780	0.002	0.028	0.162	0.072	1.669	0.009	0.035	0.0
STA AV	0.273	0.270	0.360	0.179	0.057	0.196	0.190	0.103	0.109	0.016	0.015	0.078

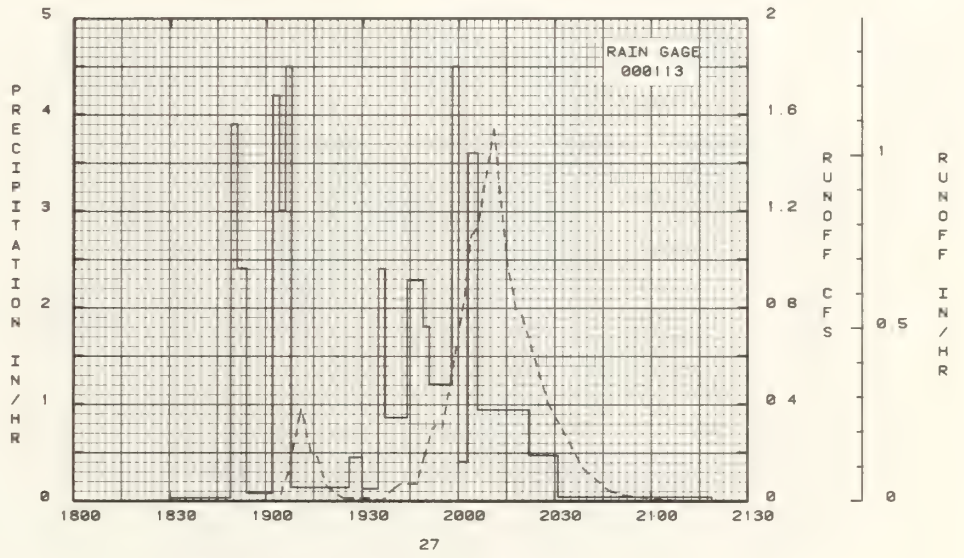
Station Averages: 39 yr beginning 1939 (includes part-year records). Measurements discontinued March 1970 to April 1972 and Nov. 1972 to April 1974.
Conversion Factor: CFS to IN/DAY, multiply by 16.76173.

1978	SELECTED RUNOFF EVENT							COSHOCTON, OHIO WATERSHED 121			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)	
EVENT OF JUNE 27 - 28, 1978											
RG 000113				RG 000113							
6-27	0.11	0.0	6-27	1830	0.0	0.0	6-27	1852	0.0	0.0	
				1849	0.0316	0.01		1904	0.0	0.0	
				1851	3.9001	0.14		1907	0.118	0.0021	
				1854	2.3999	0.26		1911	0.381	0.0137	
				1902	0.0750	0.27		1914	0.196	0.0237	
WATERSHED CONDITIONS:											
Pasture and meadow with a growth of fescue.				1904	4.1991	0.41		1916	0.184	0.0282	
				1906	3.0007	0.51		1919	0.060	0.0324	
				1908	4.4990	0.66		1924	0.012	0.0345	
				1926	0.1333	0.70		1927	0.006	0.0348	
				1930	0.4500	0.73		1932	0.006	0.0352	
				1935	0.1199	0.74		1936	0.004	0.0354	
				1937	2.4001	0.82		1937	0.009	0.0355	
				1944	0.8572	0.92		1939	0.035	0.0360	
				1949	2.2800	1.11		1942	0.067	0.0378	
				1951	1.7999	1.17		1947	0.067	0.0417	
				1958	1.2000	1.31		1950	0.209	0.0465	
				2000	4.4998	1.46		1952	0.296	0.0524	
				2003	0.4001	1.48		1953	0.312	0.0559	
				2006	3.6002	1.66		1955	0.296	0.0630	
				2022	0.9375	1.91		1958	0.521	0.0773	
				2031	0.4666	1.98		2002	0.848	0.1091	
				2119	0.0375	2.01		2004	1.100	0.1318	
								2006	1.130	0.1578	
								2011	1.540	0.2355	
								2015	0.998	0.2946	
								2018	0.792	0.3258	
								2020	0.764	0.3439	
								2028	0.400	0.3981	
								2039	0.128	0.4319	
								2047	0.035	0.4395	

Conversion Factor: CFS to IN/HR, multiply by 0.698405.

1978 SELECTED RUNOFF EVENT							COSHOCTON, OHIO WATERSHED 121			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27 - 28, 1978 (CONTINUED)							
							6-27	2052	0.016	0.4410
								2059	0.006	0.4419
								2107	0.004	0.4424
								2125	0.002	0.4430
								2400	0.0	0.4448
							6-28	110	0.0	0.4448

Conversion Factor: CFS to IN/HR, multiply by 0.698405.



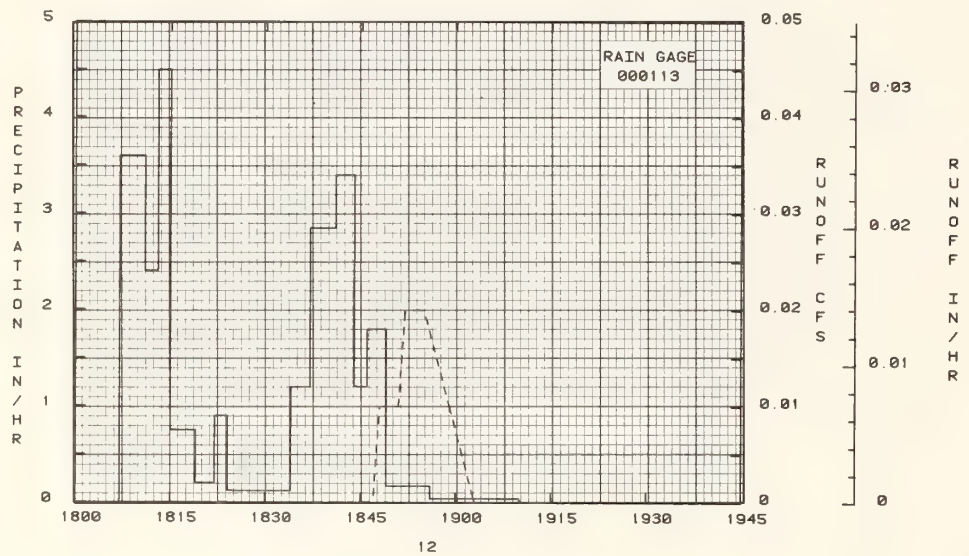
EVENT OF JUNE 27 - 28, 1978

COSHOCTON, OHIO WATERSHED 121

1978 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 121

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF OCTOBER 12, 1978						
RG 000113				RG 000113						
10-12	0.0	0.0	10-12	1807	0.0	0.0	10-12	1811	0.0	0.0
				1811	3.5999	0.24		1814	0.0	0.0
				1813	2.4001	0.32		1817	0.002	0.0000
				1815	4.4990	0.47		1819	0.0	0.0001
				1819	0.7500	0.52		1823	0.0	0.0001
WATERSHED CONDITIONS:										
Pasture and meadow with a growth of fescue.				1822	0.1999	0.53		1833	0.0	0.0001
				1824	0.9000	0.56		1839	0.0	0.0001
				1834	0.1200	0.58		1840	0.0	0.0001
				1837	1.2000	0.64		1842	0.002	0.0001
				1841	2.8500	0.83		1847	0.002	0.0002
				1844	3.4000	1.00		1848	0.006	0.0002
				1846	1.1998	1.04		1851	0.012	0.0005
				1849	1.8002	1.13		1852	0.020	0.0007
				1856	0.1713	1.15		1855	0.020	0.0014
				1910	0.0429	1.16		1859	0.006	0.0020
								1903	0.002	0.0022
								1907	0.0	0.0023
								1920	0.0	0.0023
								2007	0.0	0.0023

Conversion Factor: CFS to IN/HR, multiply by 0.698405.



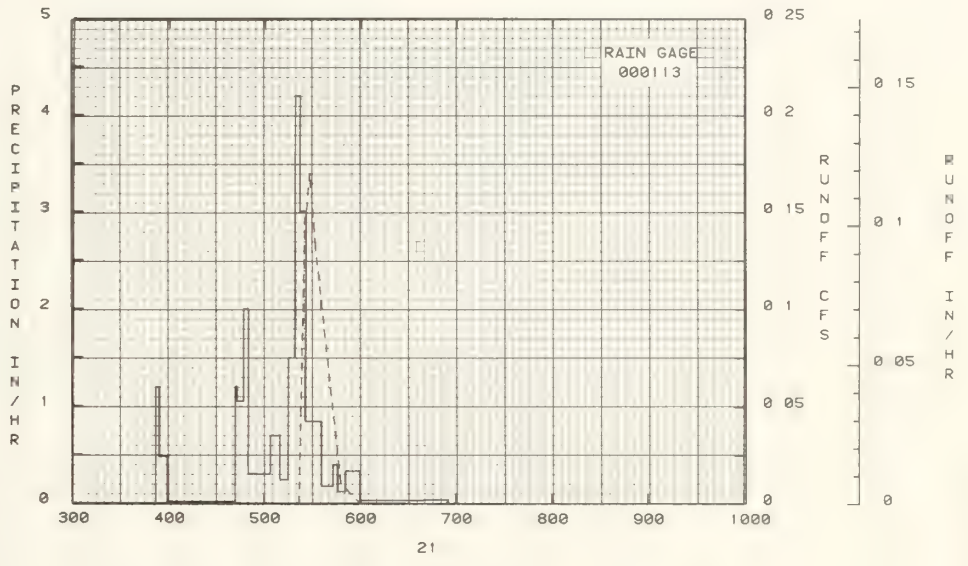
EVENT OF OCTOBER 12, 1978

COSHOCTON, OHIO WATERSHED 121

1979 SELECTED RUNOFF EVENT COSHOCTON, OHIO WATERSHED 121

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JUNE 21, 1979						
RG 000113				RG 000113						
6-21	0.0	0.0	6-21	352	0.0	0.0	6-21	446	0.0	0.0
				354	1.1998	0.04		450	0.0	0.0
				359	0.4801	0.08		518	0.0	0.0
				442	0.0139	0.09		522	0.002	0.0001
				443	1.2003	0.11		523	0.046	0.0003
WATERSHED CONDITIONS:										
Pasture.				447	1.0499	0.18		525	0.138	0.0025
				450	2.0001	0.28		528	0.172	0.0079
				454	0.3001	0.30		532	0.128	0.0149
				458	0.2998	0.32		548	0.006	0.0273
				504	0.3000	0.35		600	0.004	0.0280
				510	0.7001	0.42		612	0.0	0.0283
				515	0.2401	0.44		719	0.0	0.0283
				519	1.4999	0.54				
				522	4.2001	0.75				
				526	3.0000	0.95				
				536	0.8400	1.09				
				543	0.1715	1.11				
				546	0.3998	1.13				
				551	0.1201	1.14				
				600	0.3334	1.19				
				640	0.0300	1.21				
				655	0.0400	1.22				

Conversion Factor: CFS to IN/HR, multiply by 0.698405.



EVENT OF JUNE 21, 1979

COSHOCTON, OHIO WATERSHED 121

LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Tuscarawas River, Muskingum River Basin. Lat. 40 deg. 21 min. 43 sec. N.; long. 81 deg. 47 min. 56 sec. W.

AREA: 1.56 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) COSHOCTON, OHIO WATERSHED 106

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	3.28	0.17	2.50	3.42	4.14	6.16	1.89	5.58	3.06	3.87	1.32	4.58	39.97
1978	Q	0.584	0.0	0.759	0.030	0.041	0.320	0.000	0.001	0.009	0.028	0.0	0.830	2.602
	P	2.78	1.83	1.78	4.28	4.52	3.11	4.96	6.32	6.58	1.72	2.55	1.56	41.99
1979	Q	0.533	2.076	0.150	0.196	0.000	0.037	0.078	0.174	1.816	0.004	0.011	0.028	5.103
STA AV	P	2.56	2.06	3.17	3.30	3.60	3.95	4.26	3.04	2.94	2.20	2.44	2.34	35.85
	Q	0.244	0.323	0.133	0.122	0.098	0.249	0.261	0.167	0.175	0.017	0.031	0.101	1.921

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	6-27	0.634	6-27	0.270	6-27	0.308	1-26	0.505	1-25	0.570	3-13	0.607	3-12	0.637	3- 6	0.713
1979	9-14	1.748	9-14	0.841	9-14	1.026	9-14	1.627	9-13	1.706	9-13	1.752	9-12	1.752	2-21	2.127
MAXIMUMS FOR PERIOD OF RECORD																
	8-23	7.630	9- 1	1.260	9- 1	1.380	9-14	1.627	9-13	1.706	9-13	1.752	2-23	2.000	2-19	2.440
	1964		1950		1950		1979		1979		1979		1962		1962	

Watershed Conditions: Meadow and pasture with a cover of fescue.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 26.20-5. For geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Misc. Pub. 1070, pp. 26.20-1 and 26.30-3.
Precipitation: Records began Dec. 30, 1937. Data from rain gage 113.
Runoff: Records began March 24, 1939. Measurements discontinued Nov. 1972 to April 1974.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.

1978 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 106

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.17E	0.0	0.02S	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0
2	0.02S	0.0 T	0.0	0.23E	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.06
3	0.0	0.0	0.06S	0.21	0.0	0.0	0.08	0.10	0.06	0.53	0.0	1.09
4	0.0	0.0	0.0	0.20	0.54	0.0	0.0	0.0	0.0	0.01E	0.0	0.62
5	0.15S	0.01S	0.0	0.0	0.06E	0.0	0.0	0.65	0.0	0.10	0.0	0.0
6	0.0	0.01S	0.0 T	0.65	0.0	0.0	0.0	1.16	0.0	0.03	0.0	0.0
7	0.25	0.0	0.0	0.0	0.0	0.96	0.33	0.51	0.0	0.03	0.10E	0.05
8	0.86E	0.03S	0.02S	0.0	0.53	0.24	0.05	0.0	0.0	0.0	0.0	1.38
9	0.20S	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.11M
10	0.0 T	0.0	0.0	0.02S	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.14	0.15E	0.0	0.0	0.0	0.0	0.0	0.29E	0.0	0.0
12	0.02S	0.0	0.14	0.0	0.27	0.24	0.0	0.0 T	0.41E	1.16	0.07	0.0
13	0.11S	0.04S	0.0	0.0	1.05	0.0	0.0	0.0	0.0	0.69	0.0	0.0
14	0.03S	0.0	0.40	0.0	0.21	0.0	0.0	0.0	1.64	0.31	0.06	0.0
15	0.0 T	0.0	0.0 T	0.0	0.09E	0.0	0.0	0.0	0.0	0.0	0.06E	0.0
16	0.07S	0.02S	0.0 T	0.0	0.03E	0.0	0.0	0.02	0.31	0.25	0.0	0.05
17	0.18S	0.0 T	0.02S	0.0	0.23E	0.0	0.0	0.0	0.03	0.0	0.65	0.0
18	0.0 T	0.0	0.0	0.64E	0.07	1.06	0.0	0.0	0.0 T	0.02	0.0	0.0
19	0.04S	0.0	0.0	0.40	0.0	0.03	0.0	0.76	0.0	0.0	0.0	0.0
20	0.19S	0.0	0.03E	0.62	0.15	0.06	0.0	0.0	0.0	0.0	0.0	0.15E
21	0.02S	0.0	0.09E	0.03	0.0	0.03E	0.31	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.02S	0.09E	0.20	0.36	0.0	0.35	0.0	0.0	0.11	0.24	0.0
24	0.20	0.0 T	0.04	0.0 T	0.24	0.0	0.03	0.0	0.0	0.0	0.0 T	0.09S
25	0.36	0.0 T	0.64	0.07E	0.0	0.46	0.0	0.0	0.0	0.02E	0.0	0.0
26	0.36E	0.04S	0.71	0.0	0.0	0.96	0.0	0.0	0.0	0.32	0.01S	0.02S
27	0.05S	0.0	0.08	0.0	0.0	2.12	0.0	0.21E	0.0	0.0	0.13E	0.0
28	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0 T	0.0
29	0.0 T		0.0	0.0	0.0	0.0	0.02E	0.02	0.0	0.0	0.0	0.0
30	0.0 T		0.0	0.0	0.17	0.0	0.0	1.41	0.61	0.0	0.0	0.26
31	0.0 T		0.02E		0.0		0.16	0.35		0.0		0.70
TOTAL	3.28	0.17	2.50	3.42	4.14	6.16	1.89	5.58	3.06	3.87	1.32	4.58
STA AV	2.56	2.07	3.20	3.27	3.57	3.97	4.24	2.96	2.85	2.21	2.44	2.36

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 113.
Station Averages: 40 yr beginning 1939 (includes part-year records).
Notes: Codes 'E' may reflect estimated storm duration rather than estimated rainfall amount. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1979	DAILY PRECIPITATION (INCHES)						CCSHOCTON, CHIC WATERSHED 106					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.80	0.0 T	0.12	0.47	0.0	0.12	0.12	1.44	0.0	0.0	0.42	0.04S
2	0.09E	0.0	0.0	0.44	0.0	0.0	0.0 T	0.0	0.0	0.38	0.0	0.01S
3	0.0	0.05S	0.0	0.0	0.63	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.27	0.57	0.07	0.0	0.54	0.0	0.0	0.15	0.0	0.0
5	0.05S	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.0	0.0	0.0	0.0
6	0.01S	0.0	0.0	0.05	0.0	0.07	0.0	0.04	0.05	0.03E	0.05	0.13E
7	0.21S	0.11S	0.0	0.02	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.03
8	0.01S	0.02S	0.0	0.38	0.0	0.32	0.0	0.11	0.0	0.21	0.0	0.0 T
9	0.0	0.0	0.01	0.78	0.0	0.0	0.93	0.03	0.0	0.22	0.70	0.0
10	0.0	0.0	0.04	0.0	0.0	0.05	0.08	0.37	0.0	0.0	0.03	0.0
11	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.75	0.0	0.10	0.0	0.0
12	0.0 T	0.02S	0.0	0.16	0.87	0.0	0.05	0.0	0.0	0.0 T	0.0	0.24
13	0.05	0.0	0.04	0.45	0.0	0.0	0.15	0.0	1.60	0.0	0.0	0.22
14	0.18	0.0	0.07E	0.17	0.0	0.0	0.0	0.0	2.81	0.0	0.0	0.0
15	0.0	0.01E	0.0 T	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.03S
17	0.06E	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.17	0.0	0.0
18	0.0	0.09S	0.0	0.0	0.0	0.0	0.0	1.13	0.0	0.0	0.0	0.0
19	0.0 T	0.01S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.23	0.0	0.0	0.0	0.07E	0.21	0.0	0.09	0.0	0.0	0.0	0.0
21	0.16E	0.23	0.0	0.0	0.0	1.22	0.0	0.0 T	0.49	0.0	0.01E	0.0
22	0.02S	0.04	0.0	0.0	0.0	0.0	1.68	0.16	0.0	0.0	0.27	0.01E
23	0.0	0.24	0.22	0.0	0.44	0.0	0.01	0.32	0.0	0.03E	0.01	0.07
24	0.48E	0.0	0.68	0.0	0.50	0.0	0.0 T	0.37	0.0	0.0 T	0.41	0.50
25	0.12S	0.98S	0.0 T	0.0	0.46	0.0	0.82	0.0	0.0	0.06	0.19	0.28
26	0.0	0.03S	0.01S	0.51	0.24	0.0	0.0	0.47	0.0	0.0	0.25	0.0 T
27	0.13S	0.0	0.0	0.05	0.48	0.0	0.16	0.05	0.03	0.14	0.0	0.0 T
28	0.17S	0.0	0.14	0.0 T	0.03	0.34	0.18	0.28	1.56	0.01	0.14E	0.0
29	0.0		0.04E	0.0	0.60	0.19	0.24	0.0	0.04	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.01S		0.14		0.13		0.0	0.0		0.0		0.0
TOTAL	2.78	1.83	1.78	4.28	4.52	3.11	4.96	6.32	6.58	1.72	2.55	1.56
STA AV	2.56	2.06	3.17	3.30	3.60	3.95	4.26	3.04	2.94	2.20	2.44	2.34

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 113.
Station Averages: 41 yr beginning 1939 (includes part-year records).
Notes: Codes 'E' may reflect estimated storm duration rather than estimated rainfall amount. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1978	MEAN DAILY DISCHARGE (CFS)						CCSHOCTON, CHIC WATERSHED 106					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.018
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
7	0.0 T	0.0	0.0	0.0 T	0.0	0.0 T	0.0 T	0.0 T	0.0	0.0	0.0	0.0
8	0.001	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.021
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0
13	0.0	0.0	0.009	0.0	0.002	0.0	0.0	0.0	0.0	0.001	0.0	0.0
14	0.0	0.0	0.032	0.0	0.0 T	0.0	0.0	0.0	0.001	0.0 T	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0 T	0.0	0.001	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
26	0.037	0.0	0.002	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0 T	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.009
MEAN	0.0012	0.0	0.0016	0.0001	0.0001	0.0007	0.0	0.0	0.0	0.0001	0.0	0.0018
INCHES	0.584	0.0	0.759	0.030	0.041	0.320	0.000	0.001	0.009	0.028	0.0	0.830
STA AV	0.237	0.275	0.132	0.121	0.100	0.255	0.266	0.167	0.133	0.017	0.031	0.103

Station Averages: 39 yr beginning 1939 (includes part-year records). Measurements discontinued Nov. 1972-April 1974.
Conversion Factor: CFS to IN/DAY, multiply by 15.25747.

1979	MEAN DAILY DISCHARGE (CFS)					COSHOCTON, OHIO WATERSHED 106						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.006	0.0	0.006	0.001	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0
2	0.0 T	0.0	0.002	0.002	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
3	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.001	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0 T	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0 E
14	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.109	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.005	0.008	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.003	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0
23	0.0	0.058	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.023	0.010	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0 T	0.0 T
25	0.0	0.052	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.001	
26	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.001	0.0
27	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0 E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0011	0.0049	0.0003	0.0004	0.0	0.0001	0.0002	0.0004	0.0040	0.0	0.0	0.0001
INCHES	0.533	2.076	0.150	0.196	0.000	0.037	0.078	0.174	1.816	0.004	0.011	0.028
STA AV	0.244	0.323	0.133	0.122	0.098	0.249	0.261	0.167	0.175	0.017	0.031	0.101

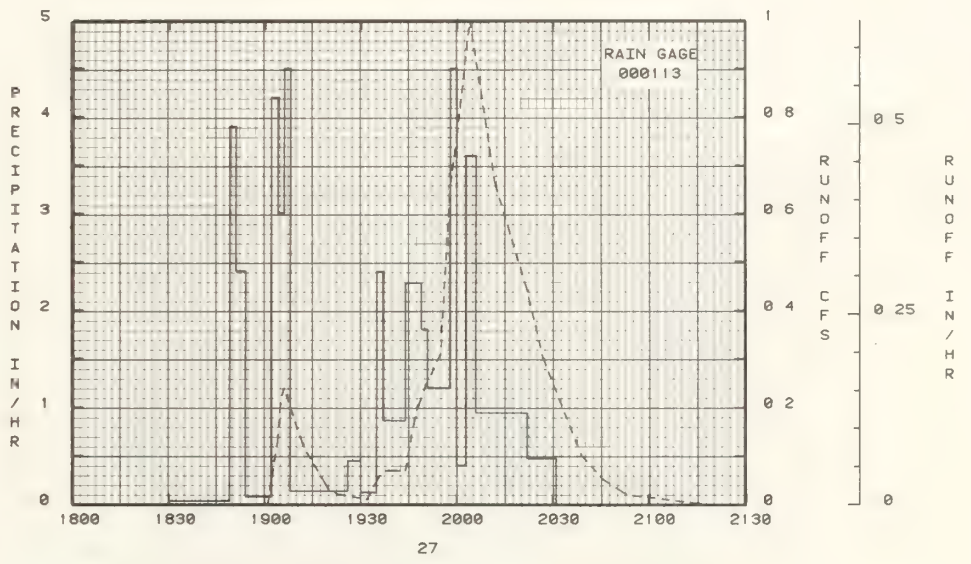
Station Averages: 40 yr beginning 1939 (includes part-year records). Measurements discontinued Nov. 1972-April 1974.
Conversion Factor: CFS to IN/DAY, multiply by 15.25747.

1978 SELECTED RUNOFF EVENT					COSHOCTON, OHIO WATERSHED 106						
ANTECEDENT CONDITIONS				RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JUNE 27, 1978						
RG 000113				RG 000113						
6-27	0.11	0.0	6-27	1830	0.0	0.0	6-27	1846	0.0	0.0
				1849	0.0316	0.01		1847	0.002	0.0000
				1851	3.9001	0.14		1850	0.002	0.0001
				1854	2.3999	0.26		1854	0.0	0.0001
				1902	0.0750	0.27		1859	0.0	0.0001
WATERSHED CONDITIONS:										
Pasture and meadow				1904	4.1991	0.41		1901	0.004	0.0001
with a cover of				1906	3.0007	0.51		1904	0.128	0.0022
fescue.				1908	4.4990	0.66		1905	0.209	0.0040
				1926	0.1333	0.70		1906	0.236	0.0064
				1930	0.4500	0.73		1912	0.118	0.0176
				1935	0.1199	0.74		1920	0.030	0.0239
				1937	2.4001	0.82		1923	0.016	0.0246
				1944	0.8572	0.92		1932	0.012	0.0260
				1949	2.2800	1.11		1936	0.060	0.0275
				1951	1.7999	1.17		1938	0.074	0.0289
				1958	1.2000	1.31		1942	0.067	0.0319
				2000	4.4998	1.46		1944	0.067	0.0333
				2003	0.4001	1.48		1947	0.184	0.0373
				2006	3.6002	1.66		1949	0.222	0.0416
				2022	0.9375	1.91		1950	0.236	0.0441
				2031	0.4666	1.98		1955	0.312	0.0586
								1958	0.661	0.0740
								2000	0.764	0.0891
								2004	0.998	0.1265
								2012	0.661	0.1968
								2022	0.438	0.2550
								2027	0.296	0.2745
								2039	0.099	0.2996
								2046	0.046	0.3049
								2053	0.020	0.3074

Conversion Factor: CFS to IN/HR, multiply by 0.635728.

1978 SELECTED RUNOFF EVENT								COSHOCTON, OHIO WATERSHED 106		
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27, 1978 (CONTINUED)							
							6-27	2117	0.004	0.3104
								2126	0.002	0.3107
								2150	0.0	0.3110
								2400	0.0	0.3110

Conversion Factor: CFS to IN/HR, multiply by 0.635728.



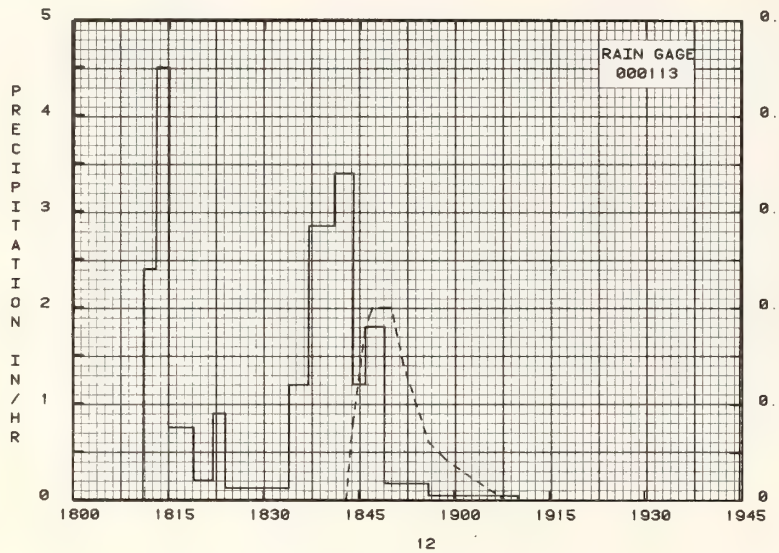
EVENT OF JUNE 27, 1978

COSHOCTON, OHIO WATERSHED 106

1978 SELECTED RUNOFF EVENT — CCSEOCTCN, CHIO WATERSHED 106

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 12, 1978							
	RG 000113			RG 000113						
10-12	0.24	0.0	10-12	1811	0.0	0.0	10-12	1809	0.0	0.0
				1813	2.4001	0.08		1810	0.004	0.0000
				1815	4.4990	0.23		1817	0.002	0.0002
				1819	0.7500	0.28		1818	0.0	0.0002
				1822	0.1999	0.29		1829	0.0	0.0002
WATERSHED CONDITIONS:										
Pasture and meadow				1824	0.9000	0.32		1835	0.0	0.0002
with a cover of				1834	0.1200	0.34		1839	0.002	0.0003
fescue.				1837	1.2000	0.40		1843	0.004	0.0004
				1841	2.8500	0.59		1844	0.041	0.0007
				1844	3.4000	0.76		1846	0.090	0.0020
				1846	1.1998	0.80		1847	0.099	0.0030
				1849	1.8002	0.89		1850	0.099	0.0062
				1856	0.1713	0.91		1852	0.074	0.0080
				1910	0.0429	0.92		1856	0.030	0.0102
								1859	0.016	0.0110
								1908	0.004	0.0119
								1915	0.0	0.0121
								1930	0.0	0.0121

Conversion Factor: CFS to IN/HR, multiply by 0.635728.



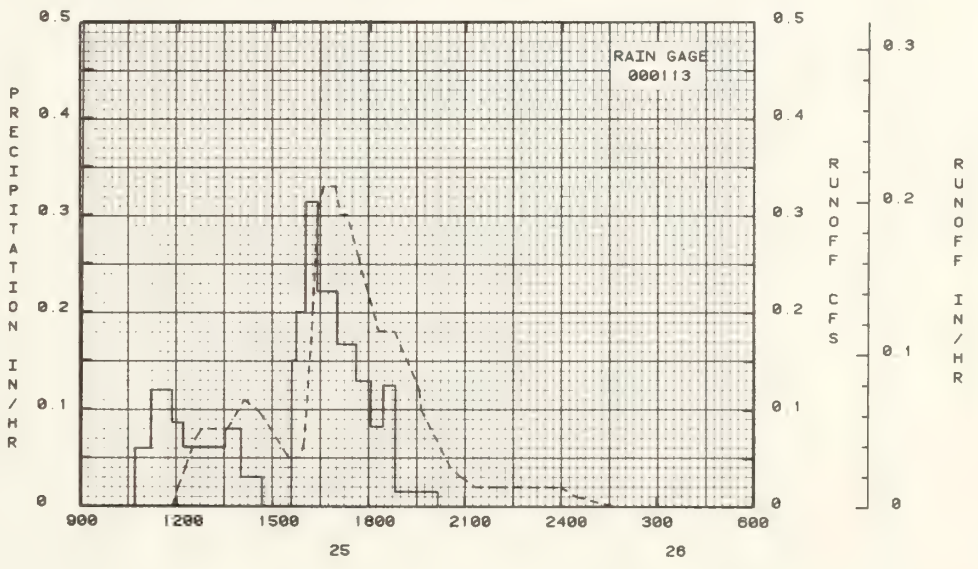
EVENT OF OCTOBER 12, 1978

CCSHOCTCN, CHIO WATERSHED 106

1979 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 106

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF FEBRUARY 25 - 26, 1979							
RG 000113			RG 000113							
2-25	0.0	0.0	2-25	1040	0.0	0.0	2-25	1041	0.0	0.0
				1110	0.0600	0.03		1130	0.0	0.0
				1150	0.1200	0.11		1152	0.002	0.0002
				1211	0.0857	0.14		1202	0.020	0.0014
				1330	0.0698	0.22		1216	0.041	0.0059
WATERSHED CONDITIONS:										
Pasture with a cover of				1400	0.0800	0.26		1234	0.067	0.0162
fescue.				1440	0.0300	0.26		1246	0.082	0.0257
				1535	0.0	0.28		1335	0.082	0.0683
				1543	0.1500	0.30		1406	0.108	0.0995
				1601	0.2000	0.36		1430	0.099	0.1258
				1622	0.3143	0.47		1444	0.090	0.1398
				1700	0.2211	0.61		1530	0.053	0.1746
				1736	0.1667	0.71		1543	0.046	0.1815
				1804	0.1286	0.77		1552	0.053	0.1862
				1826	0.0818	0.80		1600	0.074	0.1916
				1850	0.1250	0.85		1615	0.209	0.2141
				2010	0.0150	0.87		1622	0.296	0.2328
								1633	0.328	0.2691
								1655	0.328	0.3456
								1705	0.296	0.3787
								1718	0.296	0.4194
								1742	0.250	0.4889
								1818	0.184	0.5716
								1848	0.184	0.6301
								1935	0.118	0.7053
								1938	0.099	0.7088
								2034	0.041	0.7503
								2054	0.030	0.7578
								2120	0.020	0.7647
								2200	0.016	0.7723
								2220	0.020	0.7761
								2305	0.020	0.7857
								2320	0.025	0.7893
								2354	0.020	0.7974
								2400	0.016	0.7985
							2-26	30	0.009	0.8025
								142	0.004	0.8074
								540	0.0	0.8125

Conversion Factor: CFS to IN/HR, multiply by 0.635728.



EVENT OF FEBRUARY 25 - 26, 1979

COSHOCTON, OHIO WATERSHED 106

LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Tuscarawas River, Muskingum River Basin. Lat. 40 deg. 21 min. 38 sec. N.; long. 81 deg. 47 min. 07 sec. W.

AREA: 303.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) COSHOCTON, OHIO WATERSHED 196

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	3.76	0.26	2.53	3.36	4.43	6.11	1.77	6.14	3.03	4.05	1.60	4.86	41.90
1978	Q	2.502	0.663	5.345	2.823	3.229	2.678	0.560	0.516	0.972	1.593	0.702	6.304	27.887
	P	3.42	2.70	1.86	4.55	4.85	3.13	5.52	6.66	6.82	1.74	2.52	1.70	45.47
1979	Q	4.010	8.641	2.995	6.771	1.491	0.858	1.044	2.865	4.154	1.278	1.267	1.394	36.768
STA AV	P	2.69	2.32	3.48	3.45	3.72	4.13	4.28	3.07	2.94	2.30	2.56	2.49	37.43
	Q	1.831	2.097	2.916	2.474	1.475	0.970	0.669	0.339	0.404	0.311	0.535	1.271	15.291

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	6-27	0.923	6-27	0.712	6-27	1.137	6-27	1.613	12- 8	1.882	12- 8	2.323	12- 8	2.592	12- 3	4.700
1979	9-14	1.378	9-14	0.910	9-14	1.169	9-14	1.917	2-25	3.341	2-25	5.032	2-24	5.649	2-23	8.479
MAXIMUMS FOR PERIOD OF RECORD																
	6-12	3.720	6-12	1.310	6-12	1.440	7- 5	2.106	2-25	3.341	2-25	5.032	2-24	5.649	2-23	8.479
	1957		1957		1957		1969		1979		1979		1979		1979	

Watershed Conditions (approximate percentages): Woods, 27%; grassland, 50%; miscellaneous, 4%; cultivated, 19%; watershed in unimproved practice.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 26.30-5. For geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Misc. Pub. 1070, pp. 26.30-1 and 26.30-3.
Precipitation: Records began Oct. 1937. Data from rain gage 108.
Runoff: Records began April 2, 1937.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.

1978 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 196

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.17M	0.0	0.01S	0.0	0.0	0.0	0.04E	0.0	0.0	0.0	0.0	0.0
2	0.02S	0.0 T	0.0	0.20	0.0	0.0	0.54	0.0	0.0	0.0	0.0	0.06
3	0.0	0.0	0.12S	0.25	0.0	0.0	0.07	0.11	0.03	0.52	0.0	1.14
4	0.0	0.0	0.0	0.21	0.65	0.0	0.0	0.0	0.0	0.01E	0.0	0.58
5	0.17S	0.04S	0.0	0.0	0.08E	0.0	0.0	0.65	0.0	0.08	0.0	0.0
6	0.0	0.01S	0.0 T	0.63E	0.0	0.0	0.0	1.33	0.0	0.02	0.0	0.0
7	0.31	0.0	0.0	0.0	0.0	0.95	0.33	0.57	0.0	0.04	0.10	0.04
8	0.88M	0.03S	0.02S	0.0	0.55	0.20	0.04	0.0	0.0	0.0	0.0	1.47
9	0.03S	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.16M
10	0.0 T	0.0	0.0	0.05E	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.09E	0.16	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.0
12	0.05S	0.0	0.15	0.0	0.28	0.19	0.0	0.0 T	0.30	1.35	0.10	0.0
13	0.15S	0.11S	0.0	0.0	1.11	0.0	0.0	0.0	0.0	0.70	0.0	0.0
14	0.05S	0.0	0.41	0.0	0.22	0.0	0.0	0.0	1.74	0.31	0.05	0.0
15	0.0 T	0.0	0.0 T	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.06	0.0
16	0.11S	0.02S	0.0 T	0.0	0.03	0.0	0.0	0.02	0.36	0.26	0.0	0.05
17	0.41S	0.0 T	0.01S	0.0	0.16	0.0	0.0	0.0	0.03	0.0	0.72	0.0
18	0.0 T	0.0	0.0	0.67	0.11	0.94	0.0	0.0	0.01	0.02E	0.0	0.0
19	0.05S	0.0	0.0	0.31	0.0	0.03	0.0	0.68	0.0	0.0	0.0	0.0
20	0.38S	0.0	0.02E	0.59	0.13	0.11	0.0	0.0	0.0	0.0	0.0	0.18
21	0.03S	0.0	0.09E	0.03	0.0	0.03	0.21	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.01S	0.06E	0.20	0.37	0.0	0.32	0.0	0.0	0.10	0.28	0.0
24	0.15	0.0 T	0.05	0.0 T	0.23	0.0	0.03	0.0	0.0	0.0	0.01	0.11S
25	0.40	0.0 T	0.69	0.06	0.0	0.57	0.0	0.0	0.0	0.01	0.0	0.0
26	0.35M	0.04S	0.73	0.0	0.0	1.11	0.0	0.0	0.0	0.32	0.09S	0.02S
27	0.05S	0.0	0.06	0.0	0.0	1.98	0.0	0.22	0.0	0.0	0.19M	0.0
28	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0 T	0.0
29	0.0 T		0.0	0.0	0.0	0.0	0.05	0.01	0.0	0.0	0.0	0.0
30	0.0 T		0.0	0.0	0.26	0.0	0.0	1.67E	0.56	0.0	0.0	0.28
31	0.0 T		0.02E		0.0		0.14	0.45		0.0		0.77
TOTAL	3.76	0.26	2.53	3.36	4.43	6.11	1.77	6.14	3.03	4.05	1.60	4.86
STA AV	2.68	2.31	3.52	3.42	3.70	4.16	4.25	2.99	2.84	2.31	2.56	2.51

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 108.
Station Averages: 42 yr beginning 1937 (part-year records included).
Notes: Codes 'E' may reflect estimated storm duration rather than estimated rainfall amounts. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1979	DAILY PRECIPITATION (INCHES)							CCSHOCTON, CHIC WATERSHED 196				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.83	0.0 T	0.12	0.52	0.0	0.13	0.12	1.40	0.0	0.0	0.39E	0.03S
2	0.11E	0.0	0.0	0.47	0.0	0.0	0.0 T	0.0	0.0	0.41	0.0	0.02S
3	0.0	0.04S	0.0	0.0	0.66	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.22	0.67	0.06	0.0	0.57	0.0	0.0	0.14	0.0	0.0
5	0.05S	0.0	0.0	0.0	0.0	0.0	0.0	0.81	0.0	0.0	0.0	0.0
6	0.03S	0.0	0.0	0.02E	0.0	0.07	0.0	0.01	0.03E	0.03E	0.02E	0.14
7	0.54S	0.15S	0.0	0.03	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0 Z
8	0.01S	0.04S	0.0	0.40	0.0	0.45	0.0	0.11	0.0	0.20	0.0	0.01 Z
9	0.0	0.0	0.01E	0.79	0.0	0.0	0.92	0.0 T	0.0	0.23	0.75	0.0
10	0.0	0.0	0.02E	0.0	0.0	0.05	0.10	0.39	0.0	0.0	0.05	0.0
11	0.0	0.0	0.0	0.22	0.0	0.0	0.0	1.00	0.0	0.10	0.0	0.0
12	0.0 T	0.30S	0.0	0.17	0.94	0.0	0.06	0.0	0.0	0.0 T	0.0	0.24
13	0.09	0.0	0.05	0.48	0.0	0.0	0.15	0.0	1.74	0.0	0.0	0.26
14	0.16	0.0	0.07M	0.17	0.0	0.0	0.0	0.0	2.86	0.0	0.0	0.0
15	0.0	0.04M	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.09E	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.02S
17	0.11E	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.19	0.0	0.0
18	0.0	0.25S	0.0	0.0	0.0	0.0	0.0	1.10	0.0	0.0	0.0	0.0
19	0.0 T	0.02S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.25	0.0	0.0	0.0	0.13	0.19	0.0	0.10	0.0	0.0	0.0	0.0
21	0.19E	0.24	0.0	0.0	0.0	1.17	0.0	0.0 T	0.50	0.0	0.01E	0.0
22	0.03S	0.0 T	0.0	0.0	0.0	0.0	2.16	0.18	0.0	0.0	0.24	0.02E
23	0.0	0.28	0.26	0.0	0.44	0.0	0.01	0.32	0.0	0.05E	0.0 T	0.08
24	0.51E	0.0	0.76	0.0	0.60	0.0	0.0 T	0.30	0.0	0.0 T	0.42	0.52
25	0.14S	1.23M	0.0 T	0.0	0.48	0.0	0.80E	0.0	0.0	0.06	0.20	0.35
26	0.0	0.11S	0.03S	0.55	0.25	0.0	0.0	0.48	0.0	0.0	0.23	0.01
27	0.15S	0.0	0.0	0.05	0.53	0.0	0.16	0.03	0.03	0.12	0.0	0.0 T
28	0.19S	0.0	0.13	0.0 T	0.03	0.30	0.19	0.28	1.64	0.01	0.12	0.0
29	0.0		0.04	0.0	0.44	0.21	0.28	0.0	0.02E	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.03S		0.15		0.29		0.0	0.0		0.0		0.0
TOTAL	3.42	2.70	1.86	4.55	4.85	3.13	5.52	6.66	6.82	1.74	2.52	1.70
STA AV	2.69	2.32	3.49	3.45	3.72	4.13	4.28	3.07	2.94	2.30	2.56	2.49

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 108.
Station Averages: 43 yr beginning 1937 (part-year records included).
Notes: Codes 'E' may reflect estimated storm duration rather than estimated rainfall amounts. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1978	MEAN DAILY DISCHARGE (CFS)							CCSHOCTON, CHIC WATERSHED 196				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.396	0.661	0.158	0.955	0.545	0.339	0.588	0.077	0.272	0.153	0.218	0.406
2	0.341	0.593	0.158	0.862	0.503	0.299	0.920	0.066	0.204	0.098	0.210	0.407
3	0.280	0.517	0.158	1.133	0.463	0.261	0.701	0.071	0.176	0.157	0.210	4.828
4	0.261	0.463	0.153	1.045	0.827	0.242	0.505	0.064	0.149	0.246	0.210	15.265
5	0.261	0.452	0.148	0.896	0.848	0.226	0.417	0.073	0.119	0.130	0.196	1.882
6	0.270	0.429	0.148	2.731	0.588	0.203	0.350	1.218	0.106	0.123	0.176	1.332
7	0.767	0.394	0.148	2.338	0.517	0.744	0.407	0.726	0.095	0.114	0.182	1.118
8	5.023	0.371	0.148	1.510	1.258	0.542	0.332	0.184	0.085	0.106	0.165	23.694
9	1.868	0.348	0.159	1.224	1.722	0.317	0.261	0.124	0.079	0.102	0.148	9.036
10	1.090	0.327	0.256	1.080	0.941	0.226	0.242	0.110	0.076	0.102	0.148	2.197
11	0.876	0.308	0.411	1.050	0.797	0.203	0.212	0.106	0.076	0.131	0.148	1.560
12	0.780	0.289	2.416	0.817	0.888	0.208	0.170	0.095	0.121	4.286	0.160	1.347
13	0.712	0.280	4.356	0.712	7.017	0.206	0.158	0.082	0.099	2.913	0.159	1.127
14	0.644	0.270	17.346	0.627	4.983	0.170	0.153	0.076	7.276	2.146	0.152	0.883
15	0.548	0.251	5.301	0.562	2.758	0.153	0.138	0.073	0.575	1.330	0.141	0.746
16	0.489	0.242	3.335	0.517	2.028	0.138	0.123	0.071	0.486	1.448	0.138	0.703
17	0.475	0.242	2.216	0.477	1.923	0.123	0.114	0.068	0.388	0.891	0.892	0.627
18	0.452	0.234	1.661	0.872	1.780	0.376	0.106	0.066	0.280	0.729	0.487	0.545
19	0.429	0.218	1.691	1.438	1.330	0.364	0.092	0.241	0.226	0.644	0.329	0.503
20	0.417	0.210	1.683	4.229	1.138	0.162	0.082	0.097	0.196	0.548	0.289	0.571
21	0.383	0.203	2.064	2.126	0.964	0.165	0.096	0.068	0.170	0.477	0.280	0.573
22	0.348	0.183	1.393	1.427	0.800	0.133	0.102	0.064	0.148	0.417	0.270	0.452
23	0.327	0.164	1.146	1.383	1.019	0.123	0.128	0.062	0.133	0.389	0.483	0.406
24	0.368	0.158	0.938	1.215	1.373	0.114	0.108	0.060	0.123	0.348	0.394	0.408
25	1.015	0.158	2.904	1.050	0.866	0.188	0.092	0.056	0.114	0.327	0.339	0.404
26	6.944	0.158	6.395	0.883	0.712	2.488	0.079	0.054	0.106	0.518	0.309	0.329
27	2.070	0.158	4.360	0.780	0.610	20.582	0.076	0.059	0.102	0.352	0.568	0.289
28	1.364	0.158	2.442	0.712	0.531	2.926	0.076	0.150	0.098	0.299	0.599	0.270
29	1.055		1.812	0.678	0.477	1.116	0.082	0.059	0.095	0.270	0.489	0.261
30	0.850		1.350	0.610	0.481	0.757	0.106	1.134	0.201	0.251	0.440	0.393
31	0.746		1.188		0.416		0.105	1.117		0.234		7.684
MEAN	1.0274	0.3016	2.1949	1.1979	1.3259	1.1365	0.2298	0.2121	0.4125	0.6543	0.2977	2.5887
INCHES	2.502	0.663	5.345	2.823	3.229	2.678	0.560	0.516	0.972	1.593	0.702	6.304
STA AV	1.778	1.937	2.914	2.369	1.475	0.973	0.660	0.279	0.315	0.288	0.517	1.268

Station Averages: 42 yr beginning 1937 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 0.078553.

1979 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 196

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	18.488	0.534	3.853	1.495	0.406	1.246	0.227	4.244	0.694	0.872	0.301	0.610
2	4.003	0.475	3.305	5.184	0.383	0.856	0.167	1.550	0.638	1.154	0.394	0.560
3	1.850	0.489	3.677	2.005	0.949	0.712	0.128	0.848	0.575	0.900	0.261	0.503
4	1.331	0.466	4.132	7.592	0.667	0.610	0.538	0.678	0.496	0.844	0.232	0.458
5	1.030	0.406	2.397	2.953	0.565	0.517	0.157	1.551	0.383	0.729	0.226	0.452
6	0.876	0.383	1.745	2.154	0.503	0.468	0.123	0.759	0.332	0.670	0.230	0.488
7	0.831	0.383	1.435	1.654	0.463	0.396	0.110	0.579	0.296	0.627	0.214	0.445
8	0.780	0.371	1.191	2.711	0.429	0.700	0.098	0.527	0.248	0.640	0.210	0.409
9	0.678	0.360	1.000	24.512	0.383	0.383	0.688	0.454	0.237	0.867	0.672	0.377
10	0.593	0.360	0.875	6.010	0.348	0.329	0.392	0.509	0.208	0.658	1.392	0.328
11	0.545	0.360	0.712	5.801	0.318	0.289	0.197	3.362	0.195	0.618	0.610	0.318
12	0.517	0.339	0.654	3.715	1.022	0.243	0.174	1.088	0.179	0.610	0.531	0.397
13	0.586	0.299	0.642	2.684	0.587	0.218	0.237	0.792	2.258	0.524	0.488	0.672
14	1.729	0.280	0.616	3.407	0.440	0.203	0.165	0.661	29.718	0.469	0.424	0.442
15	0.813	0.280	0.505	2.057	0.371	0.183	0.138	0.627	2.121	0.435	0.426	0.399
16	0.763	0.253	0.482	1.620	0.318	0.164	0.115	0.565	1.291	0.445	0.391	0.412
17	0.879	0.213	0.457	1.365	0.299	0.153	0.098	0.441	0.925	0.659	0.343	0.332
18	0.723	0.166	0.440	1.170	0.280	0.143	0.091	3.948	0.775	0.460	0.332	0.323
19	0.593	0.218	0.429	1.000	0.251	0.124	0.088	0.894	0.627	0.416	0.299	0.349
20	0.717	0.210	0.406	0.859	0.238	0.118	0.082	0.733	0.475	0.389	0.270	0.303
21	1.979	1.016	0.371	0.763	0.218	1.184	0.076	0.769	0.801	0.369	0.261	0.301
22	1.045	1.546	0.348	0.695	0.189	0.231	3.771	0.686	0.544	0.343	0.348	0.338
23	0.876	13.827	0.387	0.627	0.333	0.170	0.558	0.827	0.393	0.333	0.312	0.318
24	1.725	8.876	2.476	0.562	0.524	0.148	0.299	1.329	0.338	0.306	1.086	0.973
25	1.720	42.447	1.168	0.517	0.810	0.143	1.593	0.925	0.312	0.302	0.617	1.949
26	1.295	29.037	0.859	0.741	1.007	0.143	0.560	1.381	0.286	0.281	2.012	1.344
27	1.080	3.493	0.746	0.813	1.826	0.128	0.481	1.454	0.254	0.263	0.946	1.023
28	0.900	2.909	0.703	0.579	1.108	0.125	0.428	1.301	4.644	0.315	0.905	0.842
29	0.780		0.712	0.503	1.364	0.241	0.738	1.199	1.527	0.280	0.737	0.763
30	0.695		0.661	0.452	1.279	0.352	0.417	0.947	1.110	0.264	0.661	0.695
31	0.627		0.740		1.096		0.362	0.845		0.226		0.627
MEAN	1.6467	3.9285	1.2298	2.8734	0.6122	0.3640	0.4289	1.1765	1.7626	0.5248	0.5377	0.5726
INCHES	4.010	8.641	2.995	6.771	1.491	0.858	1.044	2.865	4.154	1.278	1.267	1.394
STA AV	1.831	2.097	2.916	2.474	1.475	0.970	0.669	0.339	0.404	0.311	0.535	1.271

Station Averages: 43 yr beginning 1937 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 0.078553.

1978 SELECTED RUNOFF EVENT COSHOCTON, OHIO WATERSHED 196

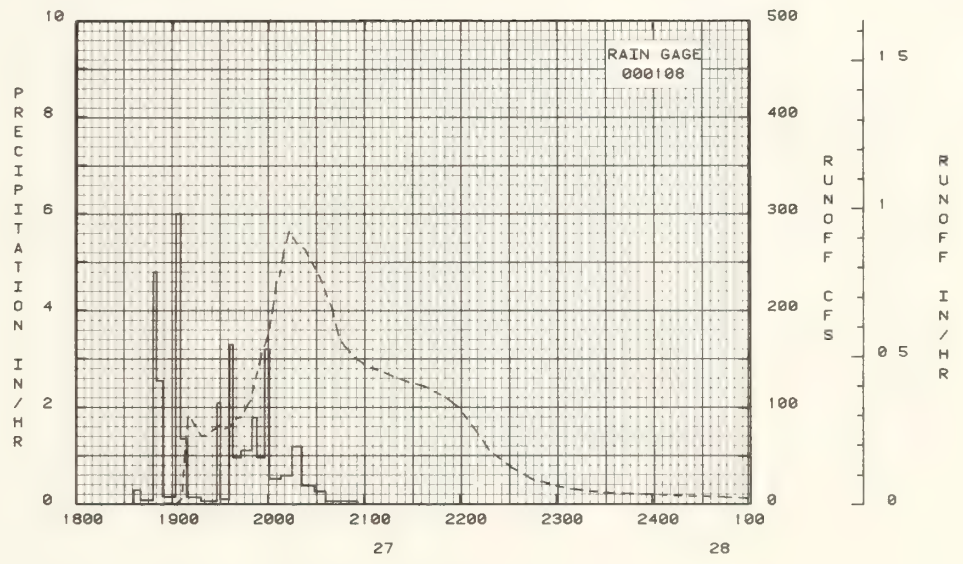
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JUNE 27 - 28, 1978						
RG 000108				RG 000108						
6-27	0.10	0.032	6-27	1836	0.0	0.0	6-27	1845	0.406	0.0
				1840	0.2998	0.02		1900	0.831	0.0005
				1848	0.0751	0.03		1903	1.260	0.0007
				1849	4.7968	0.11		1906	5.780	0.0013
				1850	4.8012	0.19		1908	56.000	0.0046
WATERSHED CONDITIONS: Woods, 27%; grassland, 50%; cultivated, 19%; miscellaneous, 4%. Watershed in unimproved practice.				1854	2.5500	0.36		1910	90.400	0.0126
				1902	0.1500	0.38		1912	87.200	0.0223
				1905	6.0001	0.68		1918	70.500	0.0481
				1909	1.3499	0.77		1921	70.500	0.0597
				1918	0.1334	0.79		1929	81.000	0.0927
				1928	0.0600	0.80		1933	78.000	0.1101
				1930	2.1002	0.87		1937	82.500	0.1276
				1936	0.0999	0.88		1940	88.800	0.1416
				1938	3.3000	0.99		1943	90.400	0.1563
				1943	0.9600	1.07		1949	108.000	0.1887
				1950	1.1143	1.20		1956	156.000	0.2391
				1952	1.7999	1.26		2000	175.000	0.2752
				1953	1.7988	1.29		2003	203.000	0.3062
				1958	0.9600	1.37		2005	229.000	0.3297
				2001	3.2001	1.53		2007	235.000	0.3551
				2008	0.5143	1.59		2010	263.000	0.3958
				2015	0.5999	1.66		2013	282.000	0.4404
				2021	1.2001	1.78		2018	268.999	0.5155
				2029	0.3749	1.83		2023	263.000	0.5881
				2036	0.2571	1.86		2032	235.000	0.7103
				2056	0.0600	1.88		2040	201.000	0.8055
								2044	174.000	0.8464
								2048	162.000	0.8831
								2055	150.000	0.9426
								2100	144.000	0.9827

Conversion Factor: CFS to IN/HR, multiply by 0.00327305.

1978 SELECTED RUNOFF EVENT — CCSHOCTON, OHIO WATERSHED 196

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27 - 28, 1978 (CONTINUED)							
							6-27	2118	132.000	1.1182
								2128	126.000	1.1886
								2133	124.000	1.2227
								2140	120.000	1.2693
								2153	108.000	1.3501
								2159	100.000	1.3841
								2209	78.000	1.4327
								2218	56.000	1.4656
								2232	37.900	1.5014
								2246	25.100	1.5255
								2251	23.400	1.5321
								2300	18.700	1.5424
								2312	15.200	1.5535
								2332	11.700	1.5682
								2348	10.800	1.5780
								2400	10.200	1.5849
							6-28	14	9.050	1.5923
								45	7.500	1.6062
								133	6.160	1.6241
								255	5.020	1.6491
								541	3.620	1.6882
								933	2.720	1.7284
								1337	1.950	1.7594
								1339	2.050	1.7597
								1342	2.050	1.7600
								1400	1.860	1.7619
								1545	1.690	1.7721
								2400	1.470	1.8148

Conversion Factor: CFS to IN/HR, multiply by 0.00327305.



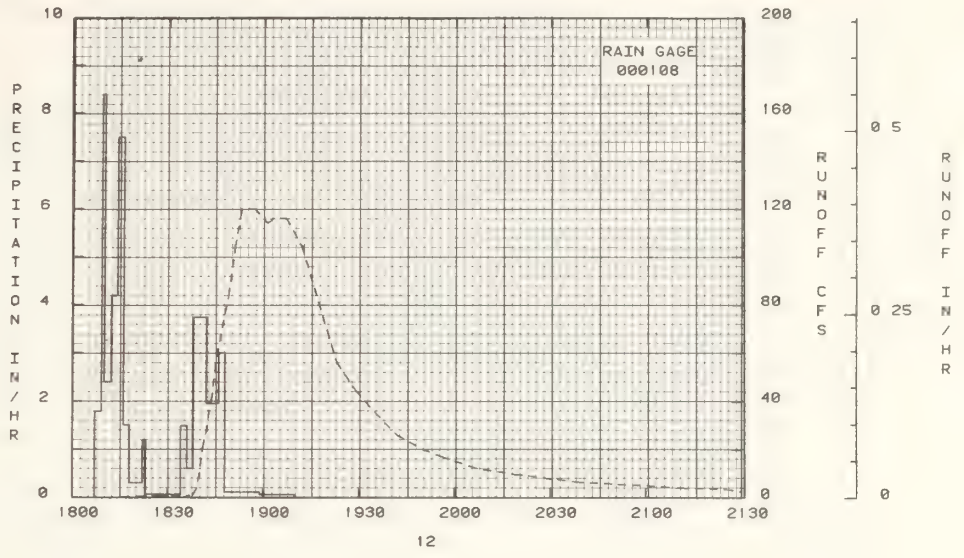
EVENT OF JUNE 27 - 28, 1978

CCSHOCTON, OHIO WATERSHED 196

1978 SELECTED RUNOFF EVENT — COSECCTCN, CHIO WATERSHED 196

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mc-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT CF CCTOBER 12 - 13, 1978							
RG 0C0108			RG 000109							
10-12	0.0	0.009	10-12	1807	0.0	0.0	10-12	1812	0.118	0.0
				1809	1.7999	0.06		1813	0.182	0.0000
				1810	8.4021	0.20		1815	0.242	0.0000
				1812	2.3996	0.28		1818	0.360	0.0001
				1814	4.2010	0.42		1821	0.531	0.0001
WATERSHED CONDITIONS:										
Woods, 27%; grassland,				1816	7.4984	0.67		1827	0.729	0.0004
50%; cultivated, 19%;				1818	1.5001	0.72		1836	0.831	0.0007
miscellaneous, 4%. Water-				1822	0.3001	0.74		1837	0.970	0.0008
shed in unimpreved practice.				1823	1.1992	0.76		1838	1.140	0.0008
				1834	0.0545	0.77		1839	3.620	0.0010
				1836	1.5001	0.82		1840	10.200	0.0014
				1838	0.6001	0.84		1841	20.500	0.0022
				1842	3.7500	1.05		1842	27.000	0.0035
				1846	1.9498	1.22		1843	36.100	0.0052
				1848	3.0002	1.32		1844	43.400	0.0074
				1859	0.1091	1.34		1845	56.000	0.0101
				1910	0.0545	1.35		1849	84.000	0.0254
								1851	104.000	0.0356
								1853	120.000	0.0478
								1857	120.000	0.0740
								1901	114.000	0.0996
								1903	116.000	0.1121
								1907	116.000	0.1374
								1912	104.000	0.1674
								1920	69.000	0.2052
								1923	56.000	0.2154
								1929	44.300	0.2318
								1935	35.300	0.2448
								1942	25.700	0.2565
								1950	20.000	0.2665
								1956	16.900	0.2725
								2007	12.100	0.2812
								2019	9.620	0.2883
								2038	6.560	0.2967
								2111	4.130	0.3063
								2125	3.620	0.3093
								2158	2.460	0.3147
								2234	2.140	0.3193
								2323	1.690	0.3244
								2409	1.470	0.3276
							10-13	20	1.330	0.3291
								54	1.190	0.3314

Conversion Factor: CFS to IN/HR, multiply by 0.00327305.



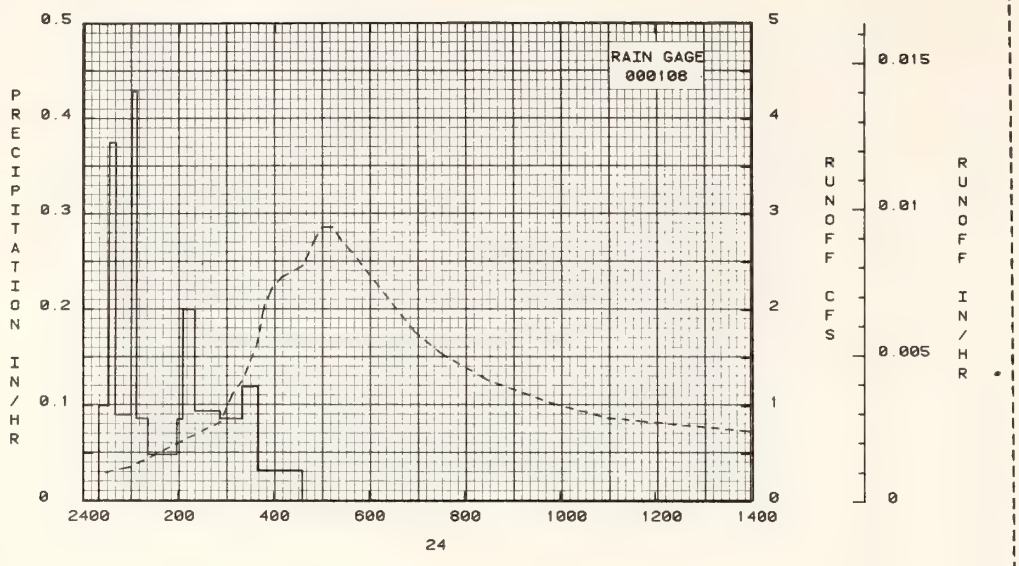
EVENT OF OCTOBER 12 - 13, 1978

COSHOCTON, OHIO WATERSHED 196

1979 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 196

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF NOVEMBER 24, 1979						
	RG 000108			RG 000108						
11-24	0.0	0.001	11-24	20	0.0	0.0	11-24	28	0.299	0.0
				32	0.1000	0.02		100	0.360	0.0006
				40	0.3749	0.07		253	0.831	0.0042
				100	0.0900	0.10		309	1.140	0.0051
				107	0.4286	0.15		320	1.260	0.0058
WATERSHED CONDITIONS:				121	0.0857	0.17		338	1.620	0.0072
Woods, 27%; grassland,				158	0.0486	0.20		348	2.050	0.0082
50%; cultivated, 19%;				205	0.0857	0.21		358	2.230	0.0094
miscellaneous, 4%. Water-				220	0.2000	0.26		410	2.340	0.0109
shed in unimproved practice.				252	0.0938	0.31		436	2.460	0.0143
				320	0.0857	0.35		450	2.720	0.0163
				340	0.1200	0.39		500	2.860	0.0178
				436	0.0321	0.42		513	2.860	0.0198
								524	2.720	0.0215
								538	2.590	0.0235
								656	1.770	0.0328
								730	1.540	0.0359
								830	1.260	0.0405
								950	1.020	0.0454
								1100	0.872	0.0491
								1150	0.831	0.0514

Conversion Factor: CFS to IN/HR, multiply by 0.00327305.



EVENT OF NOVEMBER 24, 1979

COSHOCTON, OHIO WATERSHED 196

LOCATION: Coshocton Co., Ohio; 10 mi. NE of Coshocton; Tuscarawas River, Muskingum River Basin. Lat. 40 deg. 21 min. 50 sec. N.; long. 81 deg. 47 min. 32 sec. W.

AREA: 52.80 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — COSHOCTON, OHIO WATERSHED 174

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1979	P	3.15	2.40	1.91	4.45	4.59	3.10	5.24	6.68	6.80	1.76	2.56	1.71	44.35
	Q								1.330	2.407	0.239	0.614	0.927	
STA AV	P	2.28	2.12	3.50	3.46	3.12	3.08	4.14	3.06	3.35	2.67	2.76	2.57	36.12
	Q	1.042	1.331	2.061	1.441	0.636	0.268	0.412	0.183	0.274	0.119	0.360	0.657	8.784

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1979	9-14	1.195	9-14	0.724	9-14	0.924	9-14	1.548	9-13	1.720	9-13	1.924	9-13	1.997	9-13	2.053
MAXIMUMS FOR PERIOD OF RECORD																
	9-14 1979	1.185	4-25 1961	0.820	4-25 1961	1.110	7- 5 1969	1.802	7- 5 1969	2.154	7- 5 1969	2.365	3- 9 1964	2.540	3- 4 1964	3.710

Watershed Conditions (approximate percentages): Cover of 15% hardwoods, 2% reforested, 67% grassland, 16% miscellaneous, watershed in improved practice.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1960-61, USDA Misc. Pub. 994, p. 26.30-4. For geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Misc. Pub. 1070, pp. 26.38-1 and 26.30-3.
Precipitation: Records began June 1960. Data from rain gage 107.
Runoff: Records began June 1960. Station discontinued May 1977 to July 1979.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.

1979 DAILY PRECIPITATION (INCHES) — COSHOCTON, OHIO WATERSHED 174

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.82	0.0 T	0.12	0.50	0.0	0.14	0.12	1.40	0.0	0.0	0.40	0.03S
2	0.11E	0.0	0.0	0.45	0.0	0.0	0.0 T	0.0	0.0	0.37	0.0	0.02S
3	0.0	0.05S	0.0	0.0	0.64	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.26	0.62	0.06	0.0	0.63	0.0	0.0	0.15	0.0	0.0
5	0.06S	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.0	0.0	0.0	0.0
6	0.02S	0.0	0.0	0.04E	0.0	0.10E	0.0	0.03	0.05	0.05	0.03	0.14
7	0.37S	0.20S	0.0	0.02	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.03
8	0.01S	0.04S	0.0	0.40	0.0	0.29	0.0	0.11	0.0	0.20	0.0	0.0 T
9	0.0	0.0	0.01	0.78	0.0	0.0	0.92	0.02	0.0	0.22	0.73	0.0
10	0.0	0.0	0.05	0.0	0.0	0.07	0.07	0.40	0.0	0.0	0.04	0.0
11	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.93	0.0	0.10	0.0	0.0
12	0.0 T	0.17S	0.0	0.17	0.90	0.0	0.08	0.0	0.0	0.0 T	0.0	0.27
13	0.06E	0.0	0.02	0.46	0.0	0.0	0.18	0.0	1.72	0.0	0.0	0.23
14	0.18	0.0	0.12E	0.18	0.0	0.0	0.0	0.0	2.92	0.0	0.0	0.0
15	0.0	0.02E	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.08E	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.04S
17	0.07E	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.18	0.0	0.0
18	0.0	0.14S	0.0	0.0	0.0	0.0	0.0	1.13	0.0	0.0	0.0	0.0
19	0.0 T	0.01S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.24	0.0	0.0	0.0	0.03	0.24	0.0	0.10	0.0	0.0	0.0	0.0
21	0.19E	0.22	0.0	0.0	0.0	1.18	0.0	0.0 T	0.46	0.0	0.01	0.0
22	0.04S	0.02	0.0	0.0	0.0	0.0	1.86	0.22	0.0	0.0	0.25	0.01E
23	0.0	0.25	0.24	0.0	0.45	0.0	0.0 T	0.34	0.0	0.02	0.01	0.08
24	0.49E	0.0	0.74	0.0	0.55	0.0	0.0 T	0.32	0.0	0.0 T	0.41	0.52
25	0.12S	1.16E	0.0 T	0.0	0.50	0.0	0.75	0.0	0.0	0.07	0.19	0.32
26	0.0	0.12S	0.02S	0.54	0.26	0.0	0.0	0.45	0.0	0.0	0.26	0.02
27	0.15S	0.0	0.0	0.06	0.47	0.0	0.19	0.05	0.05	0.15	0.0	0.0 T
28	0.19S	0.0	0.14	0.0 T	0.04	0.31	0.19	0.25	1.56	0.02	0.15	0.0
29	0.0		0.05	0.0	0.50	0.18	0.25	0.0	0.04	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.03S		0.14		0.19		0.0	0.0		0.0		0.0
TOTAL	3.15	2.40	1.91	4.45	4.59	3.10	5.24	6.68	6.80	1.76	2.56	1.71
STA AV	2.28	2.12	3.50	3.46	3.12	3.08	4.14	3.06	3.35	2.67	2.76	2.57

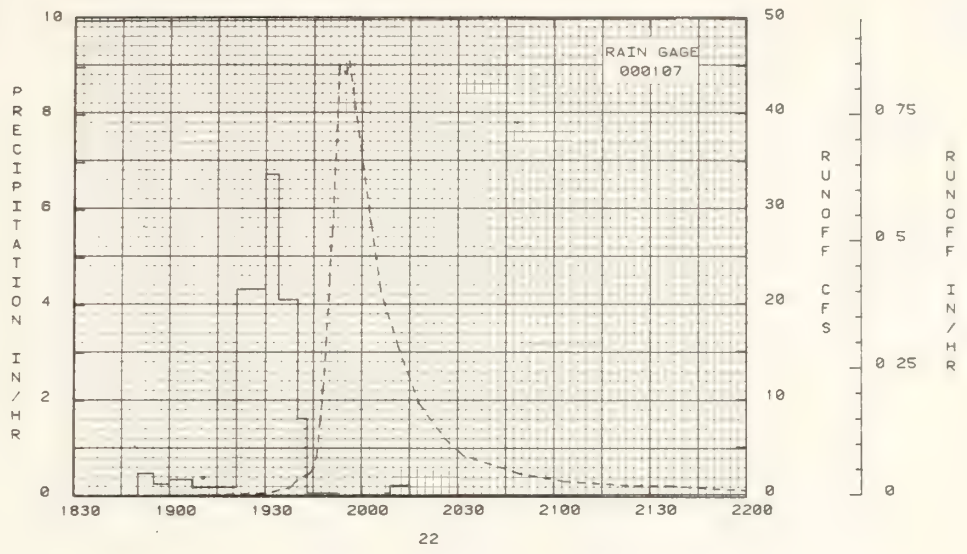
Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 107. For 1978 daily precipitation values see table for watershed 110, p. 26.015-1.
Station Averages: 20 yr beginning 1960 (includes part-year records).
Notes: Codes 'E' may reflect estimated storm duration rather than estimated rainfall amounts.
Code 'Z' indicates accurately measured total for a series of days has been equally divided among coded days.

1979	MEAN DAILY DISCHARGE (CFS)							COSHOCTON, OHIO WATERSHED 174				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	NR	NR	NR	NR	NR	NR	NR	0.732	0.008	0.026	0.013	0.057
2	NR	NR	NR	NR	NR	NR	NR	0.082	0.006	0.066	0.012	0.048
3	NR	NR	NR	NR	NR	NR	NR	0.0	0.003	0.031	0.003	0.046
4	NR	NR	NR	NR	NR	NR	NR	0.0	0.004	0.034	0.002	0.046
5	NR	NR	NR	NR	NR	NR	NR	0.196	0.003	0.021	0.002	0.046
6	NR	NR	NR	NR	NR	NR	NR	0.029	0.002	0.018	0.002	0.047
7	NR	NR	NR	NR	NR	NR	NR	0.011	0.001	0.014	0.002	0.042
8	NR	NR	NR	NR	NR	NR	NR	0.009	0.001	0.023	0.002	0.034
9	NR	NR	NR	NR	NR	NR	NR	0.006	0.0 T	0.065	0.079	0.033
10	NR	NR	NR	NR	NR	NR	NR	0.024	0.0 T	0.023	0.116	0.033
11	NR	NR	NR	NR	NR	NR	NR	0.488	0.0	0.020	0.022	0.029
12	NR	NR	NR	NR	NR	NR	NR	0.058	0.0	0.020	0.018	0.044
13	NR	NR	NR	NR	NR	NR	NR	0.025	0.349	0.014	0.014	0.112
14	NR	NR	NR	NR	NR	NR	NR	0.013	3.992	0.011	0.010	0.049
15	NR	NR	NR	NR	NR	NR	NR	0.007	0.105	0.008	0.009	0.039
16	NR	NR	NR	NR	NR	NR	NR	0.005	0.041	0.010	0.008	0.042
17	NR	NR	NR	NR	NR	NR	NR	0.005	0.022	0.042	0.006	0.037
18	NR	NR	NR	NR	NR	NR	NR	0.577	0.010	0.012	0.005	0.033
19	NR	NR	NR	NR	NR	NR	NR	0.036	0.005	0.010	0.005	0.036
20	NR	NR	NR	NR	NR	NR	NR	0.022	0.003	0.008	0.005	0.028
21	NR	NR	NR	NR	NR	NR	NR	0.017	0.030	0.007	0.005	0.030
22	NR	NR	NR	NR	NR	NR	0.763	0.019	0.006	0.008	0.029	0.033
23	NR	NR	NR	NR	NR	NR	0.091	0.063	0.003	0.010	0.033	0.033
24	NR	NR	NR	NR	NR	NR	0.046	0.128	0.003	0.007	0.173	0.170
25	NR	NR	NR	NR	NR	NR	0.375	0.035	0.005	0.005	0.073	0.348
26	NR	NR	NR	NR	NR	NR	0.086	0.121	0.004	0.004	0.358	0.167
27	NR	NR	NR	NR	NR	NR	0.050	0.090	0.002	0.003	0.108	0.113
28	NR	NR	NR	NR	NR	NR	0.074	0.074	0.597	0.003	0.108	0.083
29	NR		NR	NR	NR	NR	0.163	0.047	0.087	0.003	0.073	0.073
30	NR		NR	NR	NR	NR	0.064	0.018	0.045	0.003	0.064	0.066
31	NR		NR		NR		0.038	0.010		0.002		0.057
MEAN								0.0952	0.1780	0.0171	0.0454	0.0663
INCHES								1.330	2.407	0.239	0.614	0.927
STA AV	1.042	1.331	2.061	1.441	0.636	0.268	0.412	0.183	0.274	0.119	0.360	0.657

Station Averages: 18 yr beginning 1960 (includes part-year records). Station discontinued May 1977 to July 1979.
Conversion Factor: CFS to IN/DAY, multiply by 0.450789.

1979 SELECTED RUNOFF EVENT							COSHOCTON, OHIO WATERSHED 174			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JULY 22, 1979						
RG 000107				RG 000107						
7-22	0.0	0.0	7-22	1850	0.0	0.0	7-22	1900	0.0	0.0
				1855	0.4799	0.04		1930	0.252	0.0012
				1900	0.2401	0.06		1938	0.903	0.0026
				1907	0.3428	0.10		1940	1.700	0.0034
				1921	0.1715	0.14		1944	2.320	0.0060
WATERSHED CONDITIONS:										
Cover of hardwoods, 15%;				1930	4.3333	0.79		1945	3.020	0.0068
reforested, 2%; grassland,				1934	6.7500	1.24		1946	4.100	0.0079
67%; miscellaneous, 16%.				1940	4.1000	1.65		1947	7.600	0.0097
				1943	1.6000	1.73		1948	11.100	0.0127
				2009	0.0462	1.75		1949	16.600	0.0170
				2015	0.1999	1.77		1950	23.300	0.0233
								1951	28.400	0.0313
								1952	37.400	0.0416
								1953	45.200	0.0546
								1955	44.200	0.0826
								1956	45.700	0.0966
								2000	35.600	0.1475
								2003	28.400	0.1776
								2006	21.300	0.2009
								2012	15.000	0.2350
								2018	9.600	0.2581
								2026	5.900	0.2775
								2032	4.100	0.2869
								2050	2.160	0.3046
								2103	1.440	0.3119
								2121	0.998	0.3188
								2136	0.903	0.3232

Conversion Factor: CFS to IN/HR, multiply by 0.0187829.



EVENT OF JULY 22, 1979

COSHOCTON, OHIO WATERSHED 174

LOCATION: Coshocton Co., Ohio 10 mi. NE of Coshocton; Tuscarawas River, Muskingum River Basin. Lat. 40 deg. 21 min. 47 sec. N.; long. 81 deg. 47 min. 23 sec. W.

AREA: 187.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) COSHOCTON, OHIO WATERSHED 194

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1979	P	3.15	2.40	1.91	4.45	4.59	3.10	5.24	6.68	6.80	1.76	2.56	1.71	44.35
	Q											1.009	1.236	
STA AV	P	2.43	2.12	3.33	3.32	3.26	3.26	3.90	3.25	3.15	2.15	2.64	2.64	35.45
	Q	1.447	1.795	2.859	2.141	1.239	0.526	0.571	0.174	0.238	0.228	0.546	0.976	12.740

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1979	11-26	0.019	11-26	0.018	11-26	0.034	11-26	0.069	12-25	0.102	12-25	0.155	12-25	0.237	12-23	0.579
MAXIMUMS FOR PERIOD OF RECORD																
	7- 5 1969	0.959	4-25 1961	0.680	4-25 1961	0.930	7- 5 1969	1.620	7- 5 1969	1.979	7- 5 1969	2.269	3- 9 1964	2.600	3- 4 1964	3.890

Watershed Conditions (approximate percentages): Cover of 21% hardwoods, 2% reforested, 58% grassland, 11% cultivated, 8% miscellaneous, watershed in improved practice.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1960-61, USDA Misc. Pub. 994, p. 26.30-4. For geology description and map, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1962, USDA Misc. Pub. 1070, pp. 26.39-1 and 26.30-3.
Precipitation: Records began Jan. 1960. Data from rain gage 107.
Runoff: Records began Jan. 1960. Measurements discontinued May 1977 to Nov. 1979.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.

1979 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 194

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.82	0.0 T	0.12	0.50	0.0	0.14	0.12	1.40	0.0	0.0	0.40	0.03S
2	0.11E	0.0	0.0	0.45	0.0	0.0	0.0 T	0.0	0.0	0.37	0.0	0.02S
3	0.0	0.05S	0.0	0.0	0.64	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.26	0.62	0.06	0.0	0.63	0.0	0.0	0.15	0.0	0.0
5	0.06S	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.0	0.0	0.0	0.0
6	0.02S	0.0	0.0	0.04E	0.0	0.10E	0.0	0.03	0.05	0.05	0.03	0.14
7	0.37S	0.20S	0.0	0.02	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.03
8	0.01S	0.04S	0.0	0.40	0.0	0.29	0.0	0.11	0.0	0.20	0.0	0.0 T
9	0.0	0.0	0.01	0.78	0.0	0.0	0.92	0.02	0.0	0.22	0.73	0.0
10	0.0	0.0	0.05	0.0	0.0	0.07	0.07	0.40	0.0	0.0	0.04	0.0
11	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.93	0.0	0.10	0.0	0.0
12	0.0 T	0.17S	0.0	0.17	0.90	0.0	0.08	0.0	0.0	0.0 T	0.0	0.27
13	0.06E	0.0	0.02	0.46	0.0	0.0	0.18	0.0	1.72	0.0	0.0	0.23
14	0.18	0.0	0.12M	0.18	0.0	0.0	0.0	0.0	2.92	0.0	0.0	0.0
15	0.0	0.02M	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.08E	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.04S
17	0.07E	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.18	0.0	0.0
18	0.0	0.14S	0.0	0.0	0.0	0.0	0.0	1.13	0.0	0.0	0.0	0.0
19	0.0 T	0.01S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.24	0.0	0.0	0.0	0.03	0.24	0.0	0.10	0.0	0.0	0.0	0.0
21	0.19E	0.22	0.0	0.0	0.0	1.18	0.0	0.0 T	0.46	0.0	0.01	0.0
22	0.04S	0.02	0.0	0.0	0.0	0.0	1.86	0.22	0.0	0.0	0.25	0.01E
23	0.0	0.25	0.24	0.0	0.45	0.0	0.0 T	0.34	0.0	0.02	0.01	0.08
24	0.49E	0.0	0.74	0.0	0.55	0.0	0.0 T	0.32	0.0	0.0 T	0.41	0.52
25	0.12S	1.16M	0.0 T	0.0	0.50	0.0	0.75	0.0	0.0	0.07	0.19	0.32
26	0.0	0.12S	0.02S	0.54	0.26	0.0	0.0	0.45	0.0	0.0	0.26	0.02
27	0.15S	0.0	0.0	0.06	0.47	0.0	0.19	0.05	0.05	0.15	0.0	0.0 T
28	0.19S	0.0	0.14	0.0 T	0.04	0.31	0.19	0.25	1.56	0.02	0.15	0.0
29	0.0		0.05	0.0	0.50	0.18	0.25	0.0	0.04	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.03S		0.14		0.19		0.0	0.0		0.0		0.0
TOTAL	3.15	2.40	1.91	4.45	4.59	3.10	5.24	6.68	6.80	1.76	2.56	1.71
STA AV	2.43	2.12	3.33	3.32	3.26	3.26	3.90	3.25	3.15	2.15	2.64	2.64

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 107. For 1978 daily precipitation values see table for watershed 110, p. 26.015-1.
Station Averages: 20 yr beginning 1960.
Notes: Codes 'E' may reflect estimated storm duration rather than estimated rainfall amounts. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1979	MEAN DAILY DISCHARGE (CFS)						COSHOCTON, OHIO WATERSHED 194					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.163	0.282
2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.177	0.244
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.126	0.215
4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.107	0.215
5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.103	0.215
6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.107	0.239
7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.103	0.220
8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.103	0.198
9	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.427	0.188
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.663	0.188
11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.282	0.170
12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.251	0.215
13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.232	0.411
14	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.195	0.274
15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.204	0.244
16	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.189	0.229
17	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.164	0.201
18	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.150	0.247
19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.141	0.215
20	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.126	0.189
21	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.121	0.173
22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.163	0.201
23	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.149	0.189
24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.537	0.595
25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.308	1.115
26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.067	0.743
27	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.469	0.557
28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.452	0.458
29	NR		NR	NR	NR	NR	NR	NR	NR	NR	0.341	0.397
30	NR		NR	NR	NR	NR	NR	NR	NR	NR	0.305	0.359
31	NR		NR		NR		NR	NR		0.026E		0.322
MEAN											0.2642	0.3132
INCHES											1.009	1.236
STA AV	1.447	1.795	2.859	2.141	1.239	0.526	0.571	0.174	0.238	0.228	0.546	0.976

Station Averages: 19 yr beginning 1960 (includes part-year records). Measurements discontinued May 1977-Nov. 1979.
Conversion Factor: CFS to IN/DAY, multiply by 0.127282.

LOCATION: Coshocton Co., Ohio; 10 mi NE of Coshocton, Tuscarawas River, Walhounding River, Muskingum River Basin. Lat. 40 deg. 21 min. 36 sec. N.; Long. 81 deg. 46 min. 55 sec. W.

AREA: 69.60 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) COSHOCTON, OHIO WATERSHED 182

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	4.50	0.37	2.83	3.28	4.59	6.57	1.61	6.16	3.08	4.03	1.70	4.95	43.67
1978	Q	1.692	0.271	3.839	1.489	1.755	1.577	0.284	0.462	0.692	1.458	0.413	2.980	16.913
	P	3.65	3.00	1.79	4.55	4.67	3.04	5.54	7.13	6.86	1.76	2.53	1.73	46.25
1979	Q	2.263	3.167	1.583	2.883	0.817	0.499	1.029	2.439	3.208	0.864	0.841	0.842	20.435
STA AV	P	2.69	2.11	3.51	3.63	3.52	3.19	4.29	3.45	3.53	2.39	2.81	2.99	38.10
	Q	1.491	1.632	2.464	1.854	1.095	0.354	0.707	0.315	0.669	0.424	0.465	1.308	12.778

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	10-12	0.846	6-27	0.497	6-27	0.771	6-27	0.870	3-14	0.900	3-13	1.235	3-13	1.558	3-11	2.353
1979	7-22	1.288	7-22	0.465	7-22	0.504	2-25	0.660	9-14	0.977	9-13	1.952	9-13	2.260	2-21	3.077
MAXIMUMS FOR PERIOD OF RECORD																
	7-22	1.288	6-27	0.497	6-27	0.771	7- 5	1.537	7- 5	1.832	7- 5	2.190	3- 9	2.640	3- 4	3.960
	1979		1978		1978		1969		1969		1969		1964		1964	

Watershed Conditions (approximate percentages): Cover of 5% meadow, 12% pastured woodland, 83% pastured grassland, prevailing practice.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1966, USDA Misc. Pub. 1226, p. 26.40-2. For geology description, see p. 26.40-1 of foregoing reference.
Precipitation: Records began Sept. 8, 1937. Data from rain gage 119.
Runoff: Records began Sept. 20, 1963. Measurements discontinued Feb. 24, 1971 to May 16, 1974.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.
Notes: Gage for Watershed 182 is 400 ft. upstream from that of Watershed 183, see Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1963, USDA Misc. Pub. 1164 and earlier publications of this series.

1978 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 182

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.19E	0.0	0.02S	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0
2	0.02S	0.0 T	0.0	0.22	0.0	0.0	0.53	0.0	0.0	0.0	0.0	0.07
3	0.0	0.0	0.21S	0.24	0.0	0.0	0.08	0.06	0.04	0.54	0.0	1.07
4	0.0	0.0	0.0	0.15	0.70	0.0	0.0	0.0	0.0	0.01E	0.0	0.66
5	0.17S	0.08S	0.0	0.0	0.09E	0.0	0.0	0.75	0.0	0.08	0.0	0.0
6	0.0	0.02S	0.0 T	0.67	0.0	0.0	0.0	1.15	0.0	0.03	0.0	0.0
7	0.30	0.0	0.0	0.0	0.0	1.11	0.28	0.52	0.0	0.04E	0.10	0.06E
8	0.91E	0.04S	0.03S	0.0	0.60	0.30	0.05	0.0	0.0	0.0	0.0	1.52
9	0.14S	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.17M
10	0.0 T	0.0	0.0	0.02E	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.10	0.11	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0
12	0.06S	0.0	0.15	0.0	0.28	0.22	0.0	0.0 T	0.32E	1.17	0.10	0.0
13	0.15S	0.15S	0.0	0.0	0.98	0.0	0.0	0.0	0.0	0.71	0.0	0.0
14	0.08S	0.0	0.44	0.0	0.22	0.0	0.0	0.0	1.82	0.34	0.06	0.0
15	0.0 T	0.0	0.0 T	0.0	0.11E	0.0	0.0	0.0	0.0	0.0	0.07	0.0
16	0.12S	0.02S	0.0 T	0.0	0.04E	0.0	0.0	0.03E	0.32E	0.23	0.0	0.05
17	0.61S	0.0 T	0.03S	0.0	0.17	0.0	0.0	0.0	0.02	0.0	0.72	0.0
18	0.0 T	0.0	0.0	0.68	0.08	0.91	0.0	0.0	0.01E	0.03	0.0	0.0
19	0.10S	0.0	0.0	0.31	0.0	0.04	0.0	0.90	0.0	0.0	0.0	0.0
20	0.63S	0.0	0.03E	0.60	0.15	0.24	0.0	0.0	0.0	0.0	0.0	0.16
21	0.04S	0.0	0.07E	0.02	0.0	0.02	0.20E	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.03S	0.09	0.18	0.40	0.0	0.28	0.0	0.0	0.12	0.30	0.0
24	0.13	0.0 T	0.06	0.0 T	0.23	0.0	0.03	0.0	0.0	0.0	0.01	0.12S
25	0.42	0.0 T	0.82	0.08	0.0	0.56	0.0	0.0	0.0	0.01	0.0	0.0
26	0.34M	0.03S	0.69	0.0	0.0	1.02	0.0	0.0	0.0	0.39	0.13S	0.02S
27	0.08S	0.0	0.07	0.0	0.0	2.15	0.0	0.24	0.0	0.0	0.21M	0.0
28	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.0 T	0.0
29	0.0 T		0.0	0.0	0.0	0.0	0.05	0.01	0.0	0.0	0.0	0.0
30	0.0 T		0.0	0.0	0.39	0.0	0.0	1.72	0.55	0.0	0.0	0.28
31	0.01S		0.02E		0.0		0.07E	0.48		0.0		0.77
TOTAL	4.50	0.37	2.83	3.28	4.59	6.57	1.61	6.16	3.08	4.03	1.70	4.95
STA AV	2.62	2.05	3.62	3.57	3.44	3.20	4.20	3.20	3.30	2.43	2.83	3.07

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 119.
Station Averages: 15 yr beginning 1964.
Notes: Code 'E' may reflect estimated storm duration rather than estimated rainfall amounts. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1979	DAILY PRECIPITATION (INCHES)					COSHOCTON, OHIO WATERSHED 182						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.83	0.0 T	0.12	0.61	0.0	0.15	0.12	1.43	0.0	0.0	0.39	0.05S
2	0.11E	0.0	0.0	0.48	0.0	0.0	0.0 T	0.0	0.0	0.43	0.0	0.01S
3	0.0	0.03S	0.0	0.0	0.64	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.19	0.70	0.07	0.0	0.72	0.0	0.0	0.13	0.0	0.0
5	0.06S	0.0	0.0	0.0	0.0	0.0	0.0	0.79	0.0	0.0	0.0	0.0
6	0.01S	0.0	0.0	0.04	0.0	0.07	0.0	0.02	0.05	0.04	0.02	0.13E
7	0.63S	0.22S	0.0	0.02	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.04
8	0.0 T	0.04S	0.0	0.41	0.0	0.51	0.0	0.08	0.0	0.22	0.0	0.0 T
9	0.0	0.0	0.01E	0.76	0.0	0.0	0.82	0.0 T	0.0	0.23	0.77	0.0
10	0.0	0.0	0.03E	0.0	0.0	0.06	0.12	0.32	0.0	0.0	0.03	0.0
11	0.0	0.0	0.0	0.24	0.0	0.0	0.0	1.00	0.0	0.10	0.0	0.0
12	0.04S	0.31S	0.0	0.08	1.05	0.0	0.04	0.0	0.0	0.0 T	0.0	0.24
13	0.07	0.0	0.01	0.52	0.0	0.0	0.16	0.0	1.71	0.0	0.0	0.27
14	0.16	0.0	0.06M	0.11	0.0	0.0	0.0	0.0	2.84	0.0	0.0	0.0
15	0.0	0.02M	0.0 T	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.09E	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.02S
17	0.13E	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.17	0.0	0.0
18	0.0	0.24S	0.0	0.0	0.0	0.0	0.0	1.16	0.0	0.0	0.0	0.0
19	0.02S	0.08S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.24	0.0	0.0	0.0	0.06	0.18	0.0	0.07	0.0	0.0	0.0	0.0
21	0.18E	0.28	0.0	0.0	0.0	1.10	0.0	0.0 T	0.50	0.0	0.01E	0.0
22	0.04S	0.02E	0.0	0.0	0.0	0.0	2.15	0.31	0.0	0.0	0.24	0.02E
23	0.0	0.27	0.30	0.0	0.43	0.0	0.01	0.41	0.0	0.02E	0.01	0.07
24	0.54E	0.0	0.73	0.0	0.51	0.0	0.0 T	0.51	0.0	0.0 T	0.41	0.53
25	0.17S	1.36M	0.0 T	0.0	0.49	0.0	0.72	0.0	0.0	0.06	0.23	0.35
26	0.0	0.13S	0.02S	0.52	0.24	0.0	0.0	0.45	0.0	0.0	0.21	0.0 T
27	0.16S	0.0	0.0	0.05	0.54	0.0	0.19	0.04	0.01	0.14	0.0	0.0 T
28	0.24S	0.0	0.13	0.0 T	0.05	0.17E	0.20	0.38	1.73	0.02	0.12	0.0
29	0.0		0.04	0.0	0.43	0.22E	0.29	0.0	0.02	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.02S		0.15		0.16		0.0	0.0		0.0		0.0
TOTAL	3.65	3.00	1.79	4.55	4.67	3.04	5.54	7.13	6.86	1.76	2.53	1.73
STA AV	2.69	2.11	3.51	3.63	3.52	3.19	4.29	3.45	3.53	2.39	2.81	2.99

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 119.
Station Averages: 16 yr beginning 1964.
Notes: Code 'E' may reflect estimated storm duration rather than estimated rainfall amounts. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1978	MEAN DAILY DISCHARGE (CFS)					COSHOCTON, OHIO WATERSHED 182						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.051	0.064	0.017	0.118	0.059	0.042	0.094	0.002	0.051	0.011	0.019	0.050
2	0.039	0.055	0.017	0.110	0.055	0.039	0.127	0.002	0.042	0.007	0.017	0.046
3	0.030	0.050	0.017	0.171	0.050	0.036	0.102	0.003	0.036	0.019	0.017	0.778
4	0.024	0.042	0.015	0.150	0.102	0.033	0.073	0.002	0.030	0.027	0.017	1.623
5	0.021	0.039	0.013	0.119	0.106	0.030	0.055	0.007	0.024	0.010	0.017	0.235
6	0.024	0.039	0.013	0.393	0.073	0.024	0.042	0.285	0.019	0.011	0.017	0.171
7	0.353	0.039	0.013	0.272	0.059	0.195	0.053	0.028	0.015	0.017	0.018	0.147
8	0.817	0.036	0.013	0.163	0.227	0.109	0.036	0.015	0.011	0.017	0.017	1.908
9	0.248	0.033	0.016	0.139	0.235	0.050	0.030	0.011	0.010	0.017	0.017	0.946
10	0.142	0.030	0.032	0.123	0.105	0.033	0.024	0.008	0.010	0.017	0.017	0.291
11	0.099	0.027	0.103	0.122	0.088	0.024	0.019	0.007	0.010	0.023	0.017	0.214
12	0.088	0.027	0.847	0.094	0.109	0.023	0.017	0.006	0.017	1.693	0.021	0.187
13	0.078	0.027	1.018	0.078	0.734	0.024	0.017	0.005	0.010	1.081	0.021	0.155
14	0.073	0.024	3.414	0.068	0.562	0.019	0.015	0.005	1.210	0.262	0.024	0.118
15	0.064	0.021	0.583	0.059	0.320	0.017	0.013	0.005	0.095	0.118	0.027	0.099
16	0.050	0.021	0.362	0.055	0.252	0.015	0.011	0.005	0.090	0.171	0.020	0.097
17	0.046	0.021	0.253	0.050	0.244	0.011	0.010	0.005	0.064	0.101	0.231	0.091
18	0.042	0.021	0.193	0.110	0.264	0.050	0.010	0.005	0.047	0.088	0.064	0.078
19	0.039	0.021	0.196	0.174	0.171	0.058	0.008	0.050	0.036	0.078	0.036	0.073
20	0.039	0.019	0.190	0.518	0.139	0.019	0.007	0.008	0.030	0.064	0.033	0.098
21	0.039	0.017	0.236	0.248	0.131	0.016	0.008	0.004	0.027	0.050	0.030	0.083
22	0.036	0.017	0.153	0.155	0.105	0.011	0.010	0.003	0.024	0.042	0.027	0.059
23	0.034	0.017	0.146	0.153	0.157	0.010	0.013	0.003	0.019	0.040	0.074	0.055
24	0.039	0.017	0.124	0.147	0.234	0.010	0.008	0.003	0.017	0.036	0.051	0.057
25	0.181	0.017	0.595	0.132	0.126	0.023	0.006	0.003	0.015	0.033	0.036	0.051
26	1.614	0.017	1.114	0.118	0.094	0.660	0.005	0.002	0.013	0.081	0.033	0.039
27	0.223	0.017	0.652	0.094	0.078	2.572	0.004	0.004	0.013	0.043	0.109	0.033
28	0.139	0.017	0.323	0.078	0.068	0.198	0.003	0.013	0.010	0.033	0.069	0.027
29	0.105		0.234	0.073	0.059	0.139	0.003	0.004	0.007	0.027	0.055	0.027
30	0.088		0.179	0.068	0.069	0.118	0.003	0.519	0.021	0.024	0.055	0.070
31	0.078		0.147		0.055		0.002	0.327		0.021		0.807
MEAN	0.159	0.0283	0.3621	0.1451	0.1656	0.1537	0.0268	0.0435	0.0675	0.1376	0.0402	0.2811
INCHES	1.692	0.271	3.839	1.489	1.755	1.577	0.284	0.462	0.692	1.458	0.413	2.980
STA AV	1.421	1.493	2.544	1.760	1.120	0.342	0.680	0.138	0.457	0.387	0.433	1.346

Station Averages: 12 yr beginning 1964 (includes part-year records). Measurements discontinued Dec. 1970-May 1974.
Conversion Factor: CFS to IN/DAY, multiply by 0.341978.

1979 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 182

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.499	0.050	0.590	0.260	0.042	0.149	0.020	1.142	0.100	0.117	0.054	0.075
2	0.415	0.046	0.399	0.792	0.039	0.098	0.015	0.191	0.088	0.242	0.061	0.066
3	0.233	0.046	0.389	0.243	0.144	0.088	0.011	0.094	0.069	0.150	0.033	0.059
4	0.180	0.042	0.511	0.864	0.078	0.078	0.099	0.078	0.056	0.141	0.023	0.055
5	0.151	0.039	0.280	0.326	0.062	0.064	0.015	0.595	0.046	0.118	0.021	0.055
6	0.118	0.047	0.206	0.239	0.050	0.058	0.011	0.136	0.043	0.105	0.022	0.059
7	0.116	0.044	0.171	0.183	0.042	0.051	0.010	0.083	0.037	0.088	0.021	0.057
8	0.105	0.033	0.147	0.303	0.039	0.126	0.008	0.074	0.028	0.096	0.021	0.048
9	0.088	0.030	0.118	1.332	0.036	0.055	0.094	0.064	0.020	0.225	0.247	0.046
10	0.082	0.027	0.108	0.332	0.033	0.043	0.040	0.080	0.019	0.112	0.261	0.041
11	0.068	0.027	0.083	0.345	0.033	0.036	0.023	0.662	0.017	0.099	0.073	0.036
12	0.064	0.027	0.073	0.338	0.206	0.030	0.017	0.155	0.016	0.094	0.064	0.044
13	0.088	0.027	0.073	0.513	0.075	0.027	0.022	0.105	0.758	0.075	0.057	0.116
14	0.395	0.024	0.068	0.467	0.046	0.027	0.015	0.094	5.708E	0.066	0.048	0.060
15	0.144	0.021	0.059	0.297	0.036	0.022	0.011	0.083	0.208E	0.064	0.050	0.053
16	0.099	0.021	0.054	0.233	0.033	0.017	0.010	0.068	0.117E	0.066	0.046	0.050
17	0.146	0.021	0.050	0.188	0.030	0.017	0.008	0.057	0.089E	0.123	0.036	0.040
18	0.123	0.019	0.046	0.147	0.027	0.015	0.006	0.987	0.072E	0.066	0.033	0.042
19	0.083	0.017	0.046	0.123	0.024	0.011	0.005	0.116	0.066E	0.057	0.033	0.041
20	0.159	0.017	0.042	0.105	0.021	0.012	0.005	0.099	0.063E	0.049	0.029	0.039
21	0.444	0.299	0.036	0.088	0.019	0.259	0.005	0.091	0.032E	0.046	0.027	0.039
22	0.163	0.459	0.033	0.083	0.017	0.036	1.552	0.083	0.055	0.042	0.043	0.039
23	0.123	2.335	0.040	0.078	0.037	0.025	0.074	0.185	0.042	0.040	0.043	0.039
24	0.768	1.128	0.368	0.068	0.056	0.015	0.027	0.372	0.031	0.039	0.240	0.165
25	0.236	2.807	0.121	0.064	0.107	0.013	0.507	0.171	0.027	0.035	0.083	0.364
26	0.118	0.645	0.094	0.113	0.143	0.011	0.069	0.280	0.025	0.031	0.393	0.171
27	0.105	0.457	0.088	0.120	0.354	0.010	0.058	0.241	0.021	0.028	0.107	0.143
28	0.094	0.505	0.081	0.073	0.124	0.010	0.052	0.257	1.186	0.038	0.108	0.120
29	0.078		0.086	0.059	0.163	0.023	0.124	0.235	0.190	0.028	0.095	0.110
30	0.068		0.076	0.050	0.145	0.035	0.050	0.139	0.147	0.023	0.086	0.099
31	0.059		0.089		0.125		0.042	0.111		0.021		0.088
MEAN	0.2134	0.3307	0.1493	0.2810	0.0771	0.0487	0.0971	0.2301	0.3126	0.0815	0.0820	0.0794
INCHES	2.263	3.167	1.583	2.883	0.817	0.499	1.029	2.439	3.208	0.864	0.841	0.842
STA AV	1.491	1.632	2.464	1.854	1.095	0.354	0.707	0.315	0.669	0.424	0.465	1.308

Station Averages: 13 yr beginning 1964 (includes part-year records). Measurements discontinued Dec. 1970-May 1974.
Conversion Factor: CFS to IN/DAY, multiply by 0.341978.

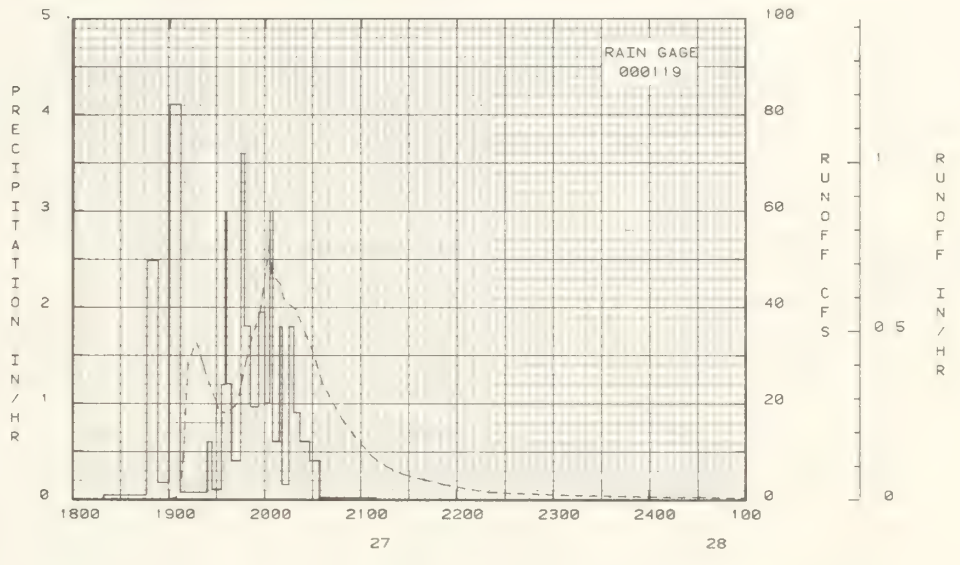
1978 SELECTED RUNOFF EVENT COSHOCTON, OHIO WATERSHED 182

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF JUNE 27 - 28, 1978										
RG 000119				RG 000119						
6-27	0.12	0.016	6-27	1819	0.0	0.0	6-27	1900	0.039	0.0
				1846	0.0445	0.02		1905	0.514	0.0003
				1853	2.4857	0.31		1907	1.440	0.0008
				1900	0.1715	0.33		1909	8.570	0.0032
				1907	4.1142	0.81		1912	28.600	0.0164
WATERSHED CONDITIONS: Cover of 5% meadow, 12% pastured woodland, 83% pastured grassland, prevailing practice.				1924	0.0706	0.83		1917	32.800	0.0529
				1927	0.6000	0.86		1921	28.600	0.0820
				1933	0.0999	0.87		1923	26.200	0.0950
				1935	1.2003	0.91		1929	20.800	0.1285
				1936	3.0002	0.96		1931	18.900	0.1379
				1939	1.2000	1.02		1933	18.300	0.1468
				1945	0.3999	1.06		1935	18.000	0.1554
				1947	3.5999	1.18		1938	18.600	0.1684
				1951	1.8002	1.30		1943	20.100	0.1914
				1956	0.9600	1.38		1948	28.600	0.2203
				2000	1.9498	1.51		1952	33.700	0.2499
				2003	1.0001	1.56		1957	39.100	0.2931
				2005	3.0002	1.66		1959	44.000	0.3129
				2009	0.5999	1.70		2003	53.800	0.3593
				2011	1.7999	1.76		2004	47.000	0.3713
				2015	0.1501	1.77		2010	44.500	0.4365
				2018	1.7999	1.86		2012	41.500	0.4569
				2022	0.9000	1.92		2019	39.500	0.5242
				2028	0.6000	1.98		2027	33.200	0.5933
				2034	0.4001	2.02		2032	28.600	0.6300
				2110	0.0167	2.03		2036	24.000	0.6550
								2048	16.800	0.7131
								2057	12.700	0.7446
								2107	8.950	0.7703
								2116	6.810	0.7872

Conversion Factor: CFS to IN/HR, multiply by 0.0142491.

1978 SELECTED RUNOFF EVENT									COSHOCTON, OHIO WATERSHED 182		
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27 - 28, 1978 (CONTINUED)							
							6-27	2127	5.110	0.8027
								2136	4.110	0.8156
								2152	3.040	0.8269
								2220	1.440	0.8418
								2305	0.903	0.8543
								2400	0.514	0.8636
							6-28	35	0.395	0.8674
								110	0.318	0.8703
								300	0.252	0.8778
								600	0.214	0.8877
								1820	0.147	0.9195

Conversion Factor: CFS to IN/HR, multiply by 0.0102491.



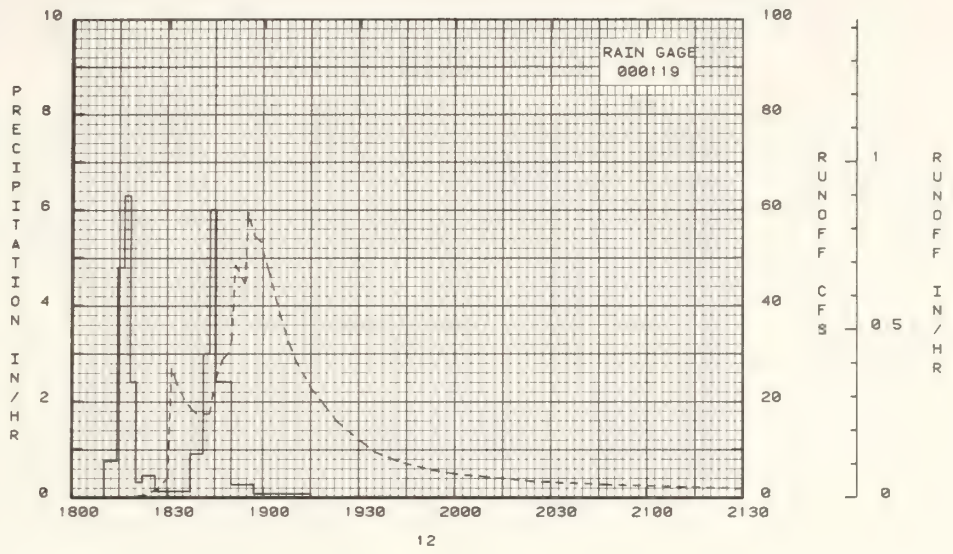
EVENT OF JUNE 27 - 28, 1978

COSHOCTON, OHIO WATERSHED 182

1978 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 182

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 12 - 13, 1978							
RG 000119			RG 000119							
10-12	0.0	0.006	10-12	1810	0.0	0.0	10-12	1815	0.013	0.0
				1814	0.7500	0.05		1818	0.094	0.0000
				1816	4.7997	0.21		1823	0.452	0.0004
				1818	6.3015	0.42		1826	1.440	0.0010
				1820	2.4001	0.50		1827	1.920	0.0014
WATERSHED CONDITIONS:										
Cover of 5% meadow, 12%				1822	0.2998	0.51		1830	4.110	0.0036
pastured woodland, 83%				1826	0.4500	0.54		1831	27.000	0.0073
pastured grassland,				1837	0.1091	0.56		1833	23.300	0.0192
prevailing practice.				1841	0.9009	0.62		1835	20.500	0.0296
				1843	3.0002	0.72		1837	18.600	0.0389
				1845	5.9987	0.92		1839	17.400	0.0475
				1850	2.4000	1.12		1843	17.400	0.0640
				1857	0.2571	1.15		1845	24.700	0.0740
				1915	0.0667	1.17		1847	28.600	0.0866
								1849	30.200	0.1006
								1850	32.800	0.1081
								1851	48.500	0.1177
								1854	44.500	0.1509
								1855	59.400	0.1632
								1857	54.400	0.1902
								1859	53.200	0.2158
								1902	46.000	0.2511
								1905	38.200	0.2811
								1908	31.900	0.3061
								1910	28.600	0.3205
								1915	22.600	0.3509
								1919	19.200	0.3707
								1923	15.700	0.3873
								1931	11.300	0.4129
								1935	9.330	0.4227
								1942	7.460	0.4367
								1953	5.510	0.4536
								2001	4.720	0.4634
								2011	4.110	0.4738
								2025	3.250	0.4861
								2047	2.600	0.5014
								2110	2.160	0.5144
								2136	1.840	0.5267
								2224	1.440	0.5454
								2315	1.200	0.5614
								2400	0.998	0.5731
							10-13	100	0.903	0.5867

Conversion Factor: CFS to IN/HR, multiply by 0.0142491.



EVENT OF OCTOBER 12 - 13, 1978

CCSHOCTON, OHIO WATERSHED 182

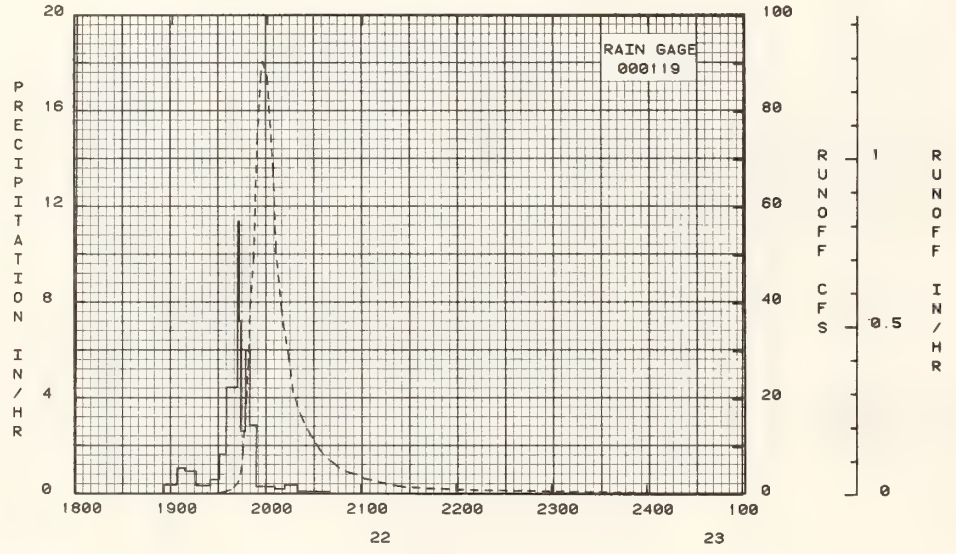
1979 SELECTED RUNOFF EVENT — CCSHOCTON, OHIO WATERSHED 182

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JULY 22, 1979							
RG 000119			RG 000119							
7-22	0.0	0.002	7-22	1856	0.0	0.0	7-22	1910	0.010	0.0
				1904	0.3750	0.05		1932	0.252	0.0007
				1909	1.0801	0.14		1938	0.903	0.0015
				1916	0.9427	0.25		1940	1.440	0.0021
				1925	0.3334	0.30		1943	2.680	0.0035
WATERSHED CONDITIONS: Cover of 5% meadow, 12% pastured woodland, 83% pastured grassland, prevailing practice.				1931	0.6000	0.36		1944	4.110	0.0043
				1935	1.6500	0.47		1945	5.930	0.0055
				1942	4.4572	0.99		1946	10.300	0.0075
				1943	11.4028	1.18		1947	15.700	0.0105
				1944	7.2018	1.30		1948	21.500	0.0150
				1947	2.6001	1.43		1949	28.200	0.0209
				1950	6.0001	1.73		1950	39.100	0.0289
				1954	2.8500	1.92		1952	49.100	0.0498
				2006	0.3000	1.98		1953	62.600	0.0631
				2012	0.1999	2.00		1954	73.900	0.0793
				2020	0.3750	2.05		1956	87.000	0.1175
				2040	0.0900	2.08		1957	90.400	0.1385
				2201	0.0222	2.11		2000	87.000	0.2017
				2224	0.0261	2.12		2004	67.800	0.2753
				2350	0.0209	2.15		2006	50.200	0.3033
								2010	37.300	0.3448
								2014	29.000	0.3763
								2017	21.200	0.3942
								2022	16.200	0.4164
								2029	11.700	0.4396
								2036	8.190	0.4561
								2046	5.370	0.4722
								2051	4.590	0.4781
								2057	4.110	0.4843
								2102	3.250	0.4887

Conversion Factor: CFS to IN/HR, multiply by 0.0142491.

1979 SELECTED RUNOFF EVENT								CCSHOCTON, OHIO WATERSHED 182			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JULY 22, 1979 (CONTINUED)							
							7-22	2116	2.080	0.4976
								2128	1.440	0.5026
								2200	0.903	0.5115
								2400	0.295	0.5286

Conversion Factor: CFS to IN/HR, multiply by 0.0142491.



EVENT OF JULY 22, 1979

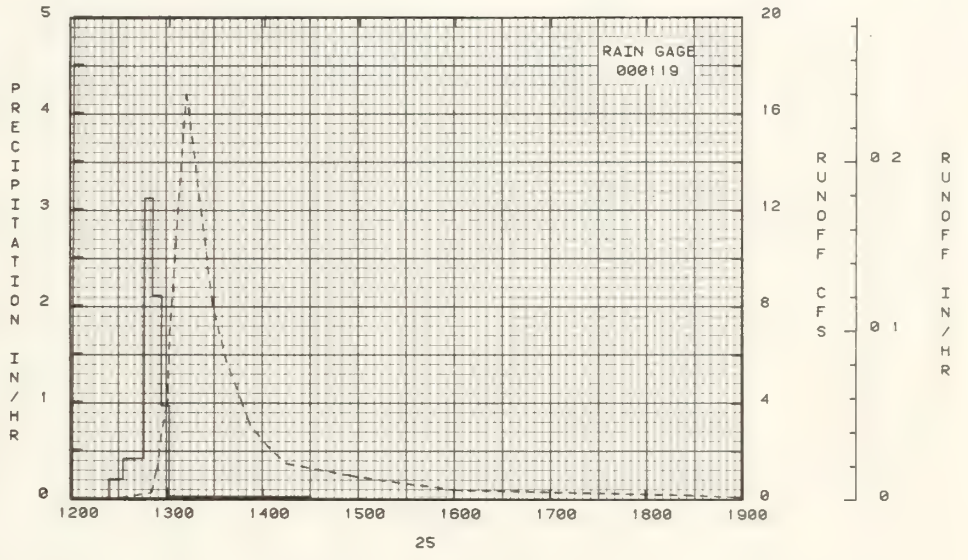
CCSHOCTON, OHIO WATERSHED 182

1979 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 182

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JULY 25, 1979						
	RG 000119			RG 000119						
7-25	0.02	0.004	7-25	1223	0.0	0.0	7-25	1230	0.021	0.0
				1232	0.2000	0.03		1250	0.252	0.0007
				1245	0.4154	0.12		1252	0.903	0.0009
				1250	3.1201	0.38		1254	1.440	0.0015
				1256	2.0999	0.59		1256	2.680	0.0025
								1300	4.110	0.0057
				1301	0.9600	0.67		1301	5.810	0.0070
				1430	0.0202	0.70		1305	10.900	0.0154
								1311	16.800	0.0351
								1321	11.700	0.0690
								1328	8.000	0.0853
								1337	5.650	0.0999
								1346	4.110	0.1104
								1352	3.040	0.1154
								1404	2.080	0.1227
								1415	1.440	0.1273
								1459	0.903	0.1396
								1600	0.368	0.1488
								1825	0.179	0.1582
								2400	0.094	0.1691

WATERSHED CONDITIONS:
Cover of 5% meadow, 12% pastured woodland, 83% pastured grassland, prevailing practice.

Conversion Factor: CFS to IN/HR, multiply by 0.0142491.



EVENT OF JULY 25, 1979

COSHOCTON, OHIO WATERSHED 182

LOCATION: Coshocton County, Ohio; 10 miles NE of Coshocton; Walhonding River, Muskingum River Basin. Lat. 40 deg. 21 min. 36 sec. N.; Long. 81 deg. 47 min. 57 sec. W.

AREA: 79.20 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — COSHOCTON, OHIO WATERSHED 166

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	3.28	0.27	2.27	3.15	3.91	6.03	1.87	5.76	3.27	4.00	1.47	4.70	39.98
	Q	1.760	0.260	3.454	1.336	1.405	1.259	0.210	0.341	0.501	1.265	0.272	2.835	14.898
1979	P	3.27	2.20	1.64	4.29	0.67	3.22	4.70	6.82	6.80	1.72	2.46	1.56	43.35
	Q	2.089	3.139	1.526	2.721	0.762	0.419	0.577	2.118	3.093	0.702	0.665	0.830	18.642
STA AV	P	2.59	2.19	3.30	3.34	3.71	3.81	4.24	3.11	2.95	2.13	2.43	2.42	36.21
	Q	1.183	1.454	1.990	1.415	0.938	0.358	0.874	0.372	0.537	0.416	0.391	1.245	11.175

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	6-27	0.709	6-27	0.487	6-27	0.701	6-27	0.790	6-27	0.817	3-13	1.064	3-13	1.451	3-11	2.222
1979	9-14	1.216	9-14	0.662	9-14	0.910	9-14	1.606	9-13	1.826	9-13	2.034	9-13	2.187	2-23	3.096
MAXIMUMS FOR PERIOD OF RECORD																
	9-14	1.216	9-14	0.662	9-14	0.910	9-14	1.606	7- 5	1.876	7- 5	2.054	7- 5	2.249	7- 4	3.215
	1979		1979		1979		1979		1969		1969		1969		1969	

Watershed Conditions (approximate percentages): Cover of 4% hardwoods, 6% reforested, 50% pasture, 34% cultivated, 6% miscellaneous. Watershed in improved practice.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1969, USDA Misc. Pub. 1370, p. 26.41-7.
Precipitation: Records began 1937. Data from rain gage 103. Reporting gage changed 1976. Station averages not recomputed.
Runoff: Records began Sept. 29, 1966. Measurements discontinued June, 1972 to Oct. 13, 1975.
Long-Term Precipitation: National Weather Service records at Coshocton, Ohio.

1978 DAILY PRECIPITATION (INCHES) — COSHOCTON, OHIO WATERSHED 166

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.20E	0.0	0.01S	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0
2	0.02S	0.0 T	0.0	0.21E	0.0	0.0	0.46	0.0	0.0	0.0	0.0	0.07E
3	0.0	0.0	0.06S	0.21	0.0	0.0	0.07	0.14	0.0	0.51	0.0	1.14
4	0.0	0.0	0.0	0.19	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.60
5	0.10S	0.04S	0.0	0.0	0.06E	0.0	0.0	0.44E	0.0	0.07	0.0	0.0
6	0.0	0.01S	0.0 T	0.61	0.0	0.0	0.0	1.47	0.0	0.02	0.0	0.0
7	0.25	0.0	0.0	0.0	0.0	0.86	0.52	0.46	0.0	0.04E	0.11	0.04
8	0.77E	0.07S	0.03S	0.0	0.46	0.26	0.06	0.0	0.0	0.0	0.0	1.44
9	0.03S	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.16M
10	0.0 T	0.0	0.0	0.02E	0.0	0.0	0.0	0.01E	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.10E	0.11E	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0
12	0.02S	0.0	0.15	0.0	0.26	0.22E	0.0	0.0 T	0.39	1.33	0.10	0.0
13	0.10S	0.04S	0.0	0.0	0.97	0.0	0.0	0.0	0.0	0.71E	0.0	0.0
14	0.03S	0.0	0.36E	0.0	0.20	0.0	0.0	0.0	1.83	0.31	0.05	0.0
15	0.0 T	0.0	0.0 T	0.0	0.12E	0.0	0.0	0.0	0.0	0.0	0.07	0.0
16	0.06S	0.02S	0.0 T	0.0	0.04E	0.0	0.0	0.01E	0.43	0.24	0.0	0.05
17	0.32S	0.0 T	0.01S	0.0	0.20	0.0	0.0	0.0	0.03	0.0	0.67	0.0
18	0.0 T	0.0	0.0	0.63	0.13	1.10	0.0	0.0	0.02	0.02E	0.0	0.0
19	0.07S	0.0	0.0	0.31	0.0	0.04	0.0	0.63E	0.0	0.0	0.0	0.0
20	0.35S	0.0	0.01E	0.57	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.15
21	0.03S	0.0	0.09E	0.04	0.0	0.01	0.26E	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.05S	0.09E	0.17	0.34	0.0	0.33	0.0	0.0	0.10	0.26	0.0
24	0.14	0.0 T	0.05E	0.0 T	0.27	0.0	0.04	0.0	0.0	0.0	0.01	0.08S
25	0.37	0.0 T	0.57	0.08	0.0	0.35	0.0	0.0	0.0	0.01	0.0	0.0
26	0.36E	0.04S	0.65	0.0	0.0	1.18	0.0	0.0	0.0	0.31	0.07S	0.02S
27	0.05S	0.0	0.07E	0.0	0.0	1.94	0.0	0.19	0.0	0.0	0.13M	0.0
28	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.0 T	0.0
29	0.0 T		0.0	0.0	0.0	0.0	0.03 Z	0.01	0.0	0.0	0.0	0.0
30	0.0 T		0.0	0.0	0.10	0.0	0.04 Z	1.59	0.57	0.0	0.0	0.23
31	0.01S		0.02E		0.0		0.03 Z	0.40		0.0		0.72
TOTAL	3.28	0.27	2.27	3.15	3.91	6.03	1.87	5.76	3.27	4.00	1.47	4.70
STA AV	2.57	2.19	3.34	3.32	3.69	3.82	4.22	3.01	2.84	2.14	2.43	2.44

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 103. Reporting gage changed 1976, but averages not recomputed.
Station Averages: 37 yr beginning 1940 (includes part-year records).
Notes: Code 'E' may reflect estimated storm duration rather than estimated rainfall amount. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

Cooperative Research Project of USDA and Ohio Agricultural Research and Development Center, Wooster, Ohio.

1979 DAILY PRECIPITATION (INCHES) COSHOCTON, OHIO WATERSHED 166

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.78	0.0 T	0.10	0.49	0.0	0.17	0.15	1.43	0.0	0.0	0.40	0.04S
2	0.11E	0.0	0.0	0.42	0.0	0.0	0.0 T	0.0	0.0	0.37	0.0	0.01S
3	0.0	0.04S	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0
4	0.0	0.0	0.16E	0.62	0.05	0.0	0.56	0.0	0.0	0.14	0.0	0.0
5	0.06S	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0	0.0	0.0	0.[illegible]
6	0.02S	0.0	0.0	0.07	0.0	0.10	0.0	0.01	0.04	0.06	0.04	0.1[illegible]
7	0.49S	0.12S	0.0	0.01E	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.04
8	0.0 T	0.05S	0.0	0.37	0.0	0.26	0.0	0.12	0.0	0.21	0.0	0.0 T
9	0.0	0.0	0.01E	0.73	0.0	0.0	0.92	0.0 T	0.0	0.22	0.66	0.0
10	0.0	0.0	0.01E	0.0	0.0	0.07	0.06	0.50	0.0	0.0	0.04	0.0
11	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.97	0.0	0.09	0.0	0.0
12	0.0 T	0.11S	0.0	0.19	1.05	0.0	0.04	0.0	0.0	0.0 T	0.0	0.25
13	0.05	0.0	0.03	0.43	0.0	0.0	0.17	0.0	1.79	0.0	0.0	0.23
14	0.19	0.0	0.09M	0.16	0.0	0.0	0.0	0.0	2.96	0.0	0.0	0.0
15	0.0	0.04M	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.01S
17	0.06E	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.18	0.0	0.0
18	0.0	0.11S	0.0	0.0	0.0	0.0	0.0	1.10	0.0	0.0	0.0	0.0
19	0.0 T	0.02S	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.21	0.0	0.0	0.0	0.04E	0.20	0.0	0.10	0.0	0.0	0.0	0.0
21	0.17E	0.11E	0.0	0.0	0.0	1.21	0.0	0.0 T	0.48	0.0	0.02	0.0
22	0.03S	0.02	0.0	0.0	0.0	0.0	1.51	0.30	0.0	0.0	0.26	0.01E
23	0.0	0.24	0.21	0.0	0.47	0.0	0.0 T	0.35	0.0	0.04	0.0 T	0.06
24	0.56E	0.0	0.70	0.0	0.54	0.0	0.0 T	0.32	0.0	0.0 T	0.39	0.50
25	0.13S	1.23M	0.0 T	0.0	0.53	0.0	0.71	0.0	0.0	0.06	0.17	0.29
26	0.0	0.11S	0.05S	0.51	0.28	0.0	0.0	0.48	0.0	0.0	0.24	0.0 T
27	0.16S	0.0	0.0	0.04	0.47	0.0	0.15	0.04	0.06	0.12	0.0	0.0 T
28	0.22S	0.0	0.13	0.0 T	0.05	0.46	0.22	0.23	1.45	0.01	0.14	0.0
29	0.0		0.06	0.0	0.43	0.14	0.21	0.0	0.02	0.0	0.0 T	0.0
30	0.0		0.0 T	0.0	0.0	0.53	0.0	0.0	0.0	0.0	0.0 T	0.0
31	0.03S		0.09		0.16		0.0	0.0		0.0		0.0
TOTAL	3.27	2.20	1.64	4.29	4.67	3.22	4.70	6.82	6.80	1.72	2.46	1.56
STA AV	2.59	2.19	3.30	3.34	3.71	3.81	4.24	3.11	2.95	2.13	2.43	2.42

Air Temperature: See table for Watershed 123, p. 26.010-1.
Gaging: Rain gage 103. Reporting gage changed 1976, but averages not recomputed.
Station Averages: 38 yr beginning 1940 (includes part-year records).
Notes: Code 'E' may reflect estimated storm duration rather than estimated rainfall amount. Code 'Z' indicates that an accurately measured total for a series of days has been equally divided among coded days.

1978 MEAN DAILY DISCHARGE (CFS) COSHOCTON, OHIO WATERSHED 166

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.049	0.087	0.011	0.133	0.043	0.019	0.080	0.003	0.048	0.016	0.019	0.050
2	0.040	0.072	0.011	0.115	0.036	0.019	0.126	0.002	0.027	0.004	0.017	0.050
3	0.030	0.062	0.011	0.143	0.030	0.017	0.084	0.002	0.021	0.013	0.015	0.614
4	0.030	0.058	0.011	0.149	0.082	0.013	0.050	0.002	0.015	0.035	0.015	1.878
5	0.030	0.058	0.011	0.120	0.080	0.011	0.039	0.002	0.009	0.007	0.015	0.397
6	0.030	0.050	0.011	0.385	0.055	0.009	0.030	0.354	0.006	0.006	0.013	0.274
7	0.262	0.039	0.011	0.317	0.039	0.104	0.096	0.122	0.005	0.005	0.013	0.225
8	0.796	0.036	0.013	0.233	0.119	0.055	0.044	0.031	0.005	0.004	0.013	1.734
9	0.329	0.033	0.015	0.203	0.161	0.031	0.024	0.015	0.004	0.003	0.009	1.074
10	0.236	0.030	0.032	0.167	0.082	0.011	0.017	0.009	0.003	0.003	0.008	0.485
11	0.166	0.027	0.090	0.149	0.058	0.006	0.013	0.006	0.002	0.005	0.008	0.329
12	0.117	0.024	0.664	0.106	0.076	0.007	0.009	0.005	0.004	1.475	0.009	0.268
13	0.123	0.027	1.007	0.081	0.797	0.011	0.008	0.004	0.003	0.559	0.009	0.196
14	0.123	0.030	3.461	0.062	0.534	0.006	0.006	0.003	0.944	0.400	0.011	0.150
15	0.093	0.027	0.890	0.050	0.351	0.004	0.005	0.003	0.118	0.282	0.012	0.123
16	0.072	0.024	0.519	0.043	0.279	0.002	0.005	0.002	0.133	0.304	0.015	0.106
17	0.067	0.024	0.359	0.039	0.264	0.002	0.004	0.002	0.085	0.180	0.153	0.079
18	0.062	0.024	0.260	0.087	0.277	0.087	0.003	0.002	0.058	0.134	0.058	0.067
19	0.058	0.021	0.231	0.163	0.207	0.054	0.003	0.023	0.043	0.121	0.036	0.062
20	0.058	0.017	0.197	0.453	0.167	0.005	0.003	0.006	0.030	0.098	0.027	0.077
21	0.054	0.015	0.206	0.258	0.140	0.006	0.004	0.001	0.019	0.087	0.024	0.074
22	0.050	0.013	0.152	0.190	0.110	0.002	0.004	0.002	0.015	0.072	0.024	0.058
23	0.046	0.011	0.127	0.183	0.137	0.002	0.006	0.002	0.013	0.062	0.055	0.050
24	0.049	0.011	0.100	0.143	0.171	0.002	0.007	0.002	0.009	0.054	0.036	0.055
25	0.159	0.011	0.421	0.123	0.105	0.003	0.004	0.002	0.006	0.050	0.027	0.049
26	1.438	0.011	0.975	0.098	0.072	0.491	0.003	0.001	0.005	0.078	0.024	0.036
27	0.512	0.011	0.638	0.082	0.054	2.645	0.003	0.001	0.005	0.047	0.082	0.044
28	0.307	0.011	0.341	0.067	0.043	0.277	0.003	0.007	0.004	0.033	0.058	0.030
29	0.200		0.285	0.054	0.036	0.166	0.003	0.002	0.003	0.027	0.050	0.030
30	0.150		0.245	0.046	0.038	0.117	0.006	0.267	0.022	0.024	0.050	0.059
31	0.117		0.187		0.031		0.004	0.247		0.022		0.722
MEAN	0.1889	0.0309	0.3708	0.1482	0.1509	0.1396	0.0225	0.0366	0.0556	0.1358	0.0302	0.3043
INCHES	1.760	0.260	3.454	1.336	1.405	1.259	0.210	0.341	0.501	1.265	0.272	2.835
STA AV	1.083	1.267	2.042	1.269	0.958	0.351	0.912	0.154	0.217	0.380	0.361	1.291

Station Averages: 9 yr beginning 1967 (includes part-year records). Measurements discontinued June 1972-Oct. 1975.
Conversion Factor: CFS to IN/DAY, multiply by 0.300526.

1979	MEAN DAILY DISCHARGE (CFS)							COSHOCTON, OHIO WATERSHED 166				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.474	0.082	0.620	0.186	0.046	0.169	0.030	0.990	0.088	0.158	0.046	0.092
2	0.679	0.072	0.472	0.663	0.043	0.123	0.016	0.190	0.076	0.199	0.050	0.082
3	0.387	0.067	0.457	0.315	0.143	0.098	0.008	0.130	0.056	0.140	0.026	0.072
4	0.275	0.062	0.523	0.872	0.097	0.077	0.113	0.088	0.043	0.142	0.020	0.067
5	0.207	0.054	0.359	0.392	0.077	0.062	0.010	0.380	0.037	0.109	0.019	0.067
6	0.158	0.046	0.285	0.334	0.062	0.045	0.008	0.093	0.032	0.103	0.019	0.074
7	0.129	0.046	0.226	0.250	0.050	0.020	0.008	0.063	0.027	0.087	0.019	0.061
8	0.105	0.046	0.173	0.304	0.039	0.085	0.006	0.057	0.017	0.089	0.019	0.048
9	0.077	0.039	0.136	1.329	0.033	0.043	0.160	0.046	0.014	0.151	0.113	0.036
10	0.062	0.036	0.114	0.452	0.030	0.030	0.028	0.096	0.009	0.096	0.198	0.036
11	0.054	0.036	0.087	0.407	0.030	0.027	0.022	0.770	0.009	0.095	0.077	0.036
12	0.054	0.036	0.080	0.442	0.210	0.017	0.014	0.236	0.009	0.098	0.058	0.058
13	0.074	0.033	0.073	0.493	0.084	0.013	0.026	0.181	0.717	0.079	0.046	0.113
14	0.279	0.033	0.073	0.473	0.055	0.011	0.013	0.137	6.195	0.066	0.039	0.072
15	0.115	0.027	0.056	0.346	0.039	0.009	0.009	0.098	0.454	0.056	0.043	0.066
16	0.096	0.017	0.050	0.285	0.033	0.008	0.008	0.069	0.286	0.063	0.040	0.068
17	0.130	0.018	0.047	0.226	0.030	0.008	0.006	0.053	0.262	0.113	0.036	0.050
18	0.111	0.015	0.043	0.175	0.030	0.006	0.004	0.895	0.131	0.065	0.033	0.043
19	0.075	0.015	0.043	0.129	0.030	0.005	0.003	0.153	0.086	0.056	0.025	0.055
20	0.112	0.016	0.039	0.116	0.027	0.006	0.003	0.129	0.072	0.049	0.024	0.049
21	0.320	0.146	0.033	0.104	0.021	0.370	0.003	0.107	0.142	0.043	0.024	0.046
22	0.158	0.309	0.030	0.092	0.019	0.020	0.735	0.089	0.073	0.036	0.048	0.057
23	0.129	2.166	0.040	0.087	0.041	0.009	0.049	0.207	0.048	0.036	0.039	0.050
24	0.555	1.557	0.313	0.087	0.073	0.008	0.015	0.320	0.039	0.036	0.166	0.169
25	0.265	3.139	0.159	0.072	0.121	0.008	0.349	0.169	0.028	0.033	0.087	0.264
26	0.216	1.049	0.123	0.111	0.145	0.006	0.051	0.299	0.018	0.027	0.360	0.209
27	0.181	0.684	0.100	0.119	0.268	0.005	0.047	0.261	0.019	0.024	0.155	0.193
28	0.150	0.598	0.084	0.077	0.139	0.006	0.036	0.257	0.842	0.028	0.160	0.157
29	0.123		0.092	0.062	0.213	0.025	0.088	0.211	0.244	0.021	0.120	0.139
30	0.104		0.074	0.054	0.155	0.070	0.030	0.155	0.216	0.019	0.104	0.123
31	0.092		0.076		0.149		0.018	0.117		0.017		0.104
MEAN	0.2242	0.3731	0.1638	0.3018	0.0818	0.0465	0.0619	0.2274	0.3431	0.0754	0.0738	0.0890
INCHES	2.089	3.139	1.526	2.721	0.762	0.419	0.577	2.118	3.093	0.702	0.665	0.830
STA AV	1.183	1.454	1.990	1.415	0.938	0.358	0.874	0.372	0.537	0.416	0.391	1.245

Station Averages: 10 yr beginning 1967 (includes part-year records). Measurements discontinued June 1972-Oct. 1975.
Conversion Factor: CFS to IN/DAY, multiply by 0.300526.

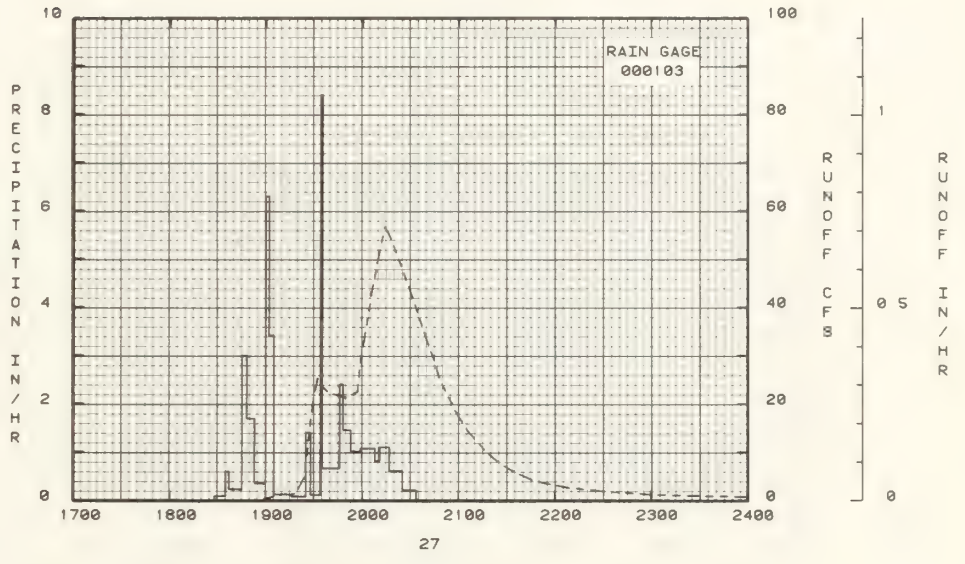
1978	SELECTED RUNOFF EVENT							COSHOCTON, OHIO WATERSHED 166			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)	
				EVENT OF JUNE 27 - 28, 1978							
RG 000103				RG 000103							
6-27	0.08	0.012	6-27	1828	0.0	0.0	6-27	1850	0.050	0.0	
				1835	0.0857	0.01		1902	0.525	0.0007	
				1837	0.6001	0.03		1905	0.903	0.0012	
				1845	0.2250	0.06		1908	1.200	0.0018	
				1848	2.9999	0.21		1913	1.320	0.0031	
WATERSHED CONDITIONS:											
Cover of 4% hardwoods, 6%				1853	1.6800	0.35		1916	1.260	0.0039	
reforested, 50% pasture, 34%				1900	0.3429	0.39		1918	1.380	0.0045	
cultivated, 6% miscellaneous.				1902	6.3015	0.60		1920	2.340	0.0053	
Watershed in improved				1905	3.4003	0.77		1924	4.830	0.0083	
practice.				1916	0.1090	0.79		1926	10.800	0.0115	
				1925	0.0667	0.80		1929	19.700	0.0211	
				1928	1.3998	0.87		1932	25.300	0.0352	
				1934	0.0999	0.88		1934	23.900	0.0454	
				1935	8.4020	1.02		1938	22.500	0.0648	
				1946	0.6545	1.14		1942	21.900	0.0833	
				1948	2.4001	1.22		1950	21.200	0.1193	
				1953	1.4399	1.34		1957	22.500	0.1512	
				1959	1.0001	1.44		1959	28.900	0.1620	
				2008	1.0666	1.60		2002	34.800	0.1819	
				2011	0.8002	1.64		2006	43.200	0.2145	
				2017	1.1000	1.75		2010	50.400	0.2535	
				2025	0.6000	1.83		2014	56.600	0.2982	
				2034	0.2000	1.86		2018	54.000	0.3444	
								2030	43.200	0.4661	
								2040	33.500	0.5461	
								2045	28.900	0.5787	
								2048	25.300	0.5956	
								2054	21.200	0.6247	
								2100	17.300	0.6488	
								2107	13.800	0.6716	

Conversion Factor: CFS to IN/HR, multiply by 0.0125219.

1978 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 166

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 27 - 28, 1978 (CONTINUED)							
							6-27	2116	10.400	0.6943
								2125	7.800	0.7114
								2134	5.970	0.7243
								2146	4.100	0.7369
								2157	3.260	0.7454
								2209	2.520	0.7526
								2231	1.770	0.7625
								2300	1.200	0.7715
								2325	0.903	0.7769
								2400	0.700	0.7828
							6-28	105	0.525	0.7911
								235	0.405	0.7998
								345	0.355	0.8054
								540	0.315	0.8134
								1530	0.197	0.8449

Conversion Factor: CFS to IN/HR, multiply by 0.0125219.



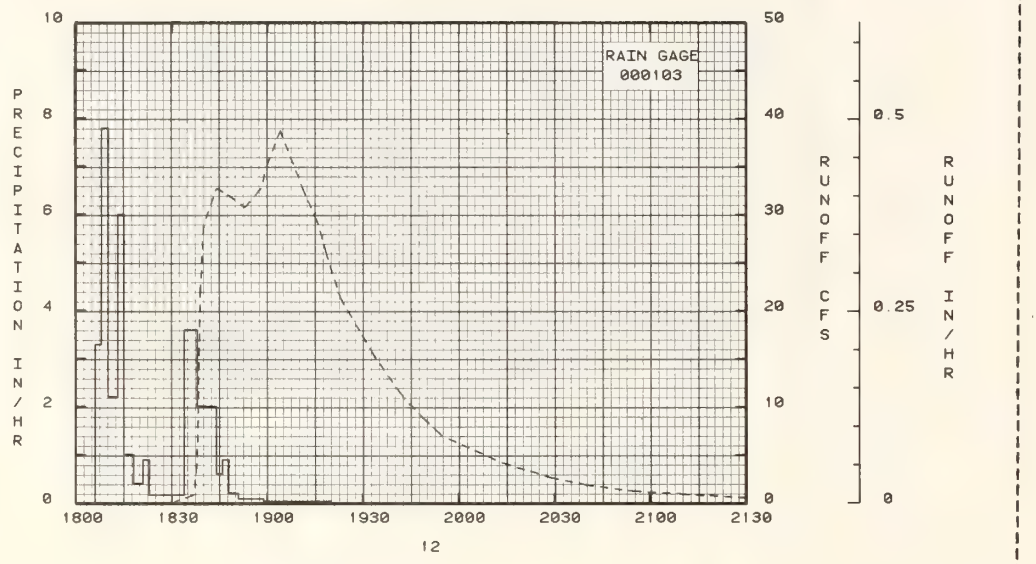
EVENT OF JUNE 27 - 28, 1978

COSHOCTON, OHIO WATERSHED 166

1978 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 166

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF OCTOBER 12 - 13, 1978						
RG 000103				RG 000103						
10-12	0.0	0.002	10-12	1806	0.0	0.0	10-12	1830	0.008	0.0
				1808	3.3000	0.11		1837	0.903	0.0007
				1810	7.8019	0.37		1838	4.100	0.0012
				1813	2.2000	0.48		1839	21.900	0.0039
				1815	5.9987	0.68		1840	28.900	0.0092
WATERSHED CONDITIONS:										
Cover of 4% hardwoods, 6%				1818	0.9998	0.73		1844	32.700	0.0349
reforested, 50% pasture, 34%				1821	0.4001	0.75		1848	31.900	0.0619
cultivated, 6% miscellaneous.				1823	0.9000	0.78		1853	30.700	0.0945
Watershed in improved				1834	0.1636	0.81		1858	32.700	0.1276
practice.				1838	3.6001	1.05		1900	35.200	0.1418
				1844	2.0000	1.25		1904	38.700	0.1726
				1846	0.6001	1.27		1911	32.700	0.2248
				1848	0.9000	1.30		1916	28.900	0.2569
				1851	0.1999	1.31		1919	25.300	0.2739
				1859	0.0751	1.32		1923	21.200	0.2933
				1920	0.0286	1.33		1934	15.000	0.3348
								1943	10.800	0.3591
								1949	8.750	0.3713
								1955	6.900	0.3811
								2014	4.100	0.4029
								2029	2.610	0.4134
								2040	1.840	0.4185
								2055	1.200	0.4233
								2110	0.903	0.4266
								2145	0.525	0.4318
								2230	0.355	0.4359
								2400	0.235	0.4415
							10-13	115	0.215	0.4450

Conversion Factor: CFS to IN/HR, multiply by 0.0125219.



EVENT OF OCTOBER 12 - 13, 1978

COSHOCTON, OHIO WATERSHED 166

1979 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 166

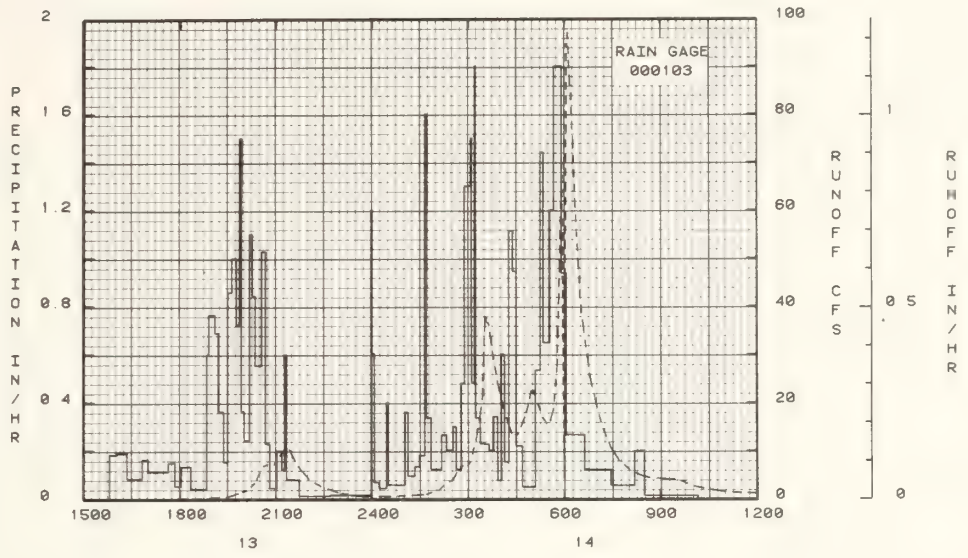
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 13 - 17, 1979							
RG 000103			RG 000103							
9-13	0.0	0.002	9-13	1548	0.0	0.0	9-13	1600	0.019	0.0
				1601	0.1846	0.04		1700	0.024	0.0004
				1620	0.1895	0.10		1730	0.024	0.0004
				1649	0.0828	0.14		1840	0.110	0.0014
				1700	0.1636	0.17		1900	0.275	0.0022
WATERSHED CONDITIONS: Cover of 4% hardwoods, 6% reforested, 50% pasture, 34% cultivated, 6% miscellaneous. Watershed in improved practice.				1738	0.1105	0.24		1930	0.525	0.0047
				1750	0.1500	0.27		1941	0.903	0.0063
				1802	0.0500	0.28		1944	1.100	0.0070
				1820	0.1333	0.32		1950	1.150	0.0084
				1850	0.0400	0.34		1958	1.630	0.0107
				1854	0.5999	0.38		2005	1.840	0.0132
				1905	0.7636	0.52		2013	2.610	0.0169
				1912	0.6857	0.60		2020	3.260	0.0212
				1922	0.3600	0.66		2024	4.100	0.0243
				1930	0.1500	0.68		2030	5.530	0.0303
				1937	0.8572	0.78		2037	6.900	0.0394
				1940	0.9998	0.83		2044	7.240	0.0457
				1946	1.0001	0.93		2056	7.240	0.0679
				1951	0.7200	0.99		2100	7.800	0.0741
				1955	1.5001	1.09		2117	10.600	0.1068
				2000	0.3600	1.12		2125	10.200	0.1241
				2010	0.2400	1.16		2135	7.990	0.1421
				2016	1.1000	1.27		2146	5.970	0.1591
				2021	0.8401	1.34		2201	4.100	0.1749
				2033	0.5500	1.45		2212	3.260	0.1834
				2040	1.0285	1.57		2224	2.610	0.1907
				2048	0.2250	1.60		2256	1.320	0.2038
				2102	0.0429	1.61		2304	1.100	0.2058
				2111	0.2000	1.64		2314	0.903	0.2079
				2116	0.1199	1.65		2335	0.525	0.2111
				2120	0.5999	1.69		2400	0.490	0.2137
				2143	0.0783	1.72	9-14	35	0.525	0.2174
				2241	0.0103	1.73		136	0.903	0.2265
				2358	0.0156	1.75		143	1.050	0.2279
				2400	1.1998	1.79		152	1.440	0.2303
			9-14	4	0.5999	1.83		205	1.840	0.2347
				13	0.0667	1.84		214	2.790	0.2391
				27	0.0428	1.85		232	4.100	0.2520
				30	0.4001	1.87		239	5.530	0.2591
				102	0.0562	1.90		245	6.580	0.2666
				107	0.3600	1.93		250	6.900	0.2737
				120	0.0923	1.95		259	6.900	0.2866
				129	0.1334	1.97		305	7.800	0.2958
				139	0.1800	2.00		317	13.200	0.3221
				142	1.5997	2.08		323	17.600	0.3414
				151	0.3334	2.13		327	21.500	0.3577
				211	0.1200	2.17		329	28.900	0.3682
				220	0.2666	2.21		332	37.800	0.3891
				232	0.2000	2.25		334	36.900	0.4047
				238	0.3000	2.28		335	37.800	0.4125
				248	0.1199	2.30		336	36.500	0.4203
				253	0.4801	2.34		339	36.100	0.4430
				305	1.3000	2.60		342	33.500	0.4648
				307	1.5001	2.65		348	28.900	0.5038
				312	0.4799	2.69		356	23.600	0.5477
				314	1.8004	2.75		404	19.700	0.5838
				323	0.3333	2.80		415	15.500	0.6242
				339	0.2250	2.86		422	13.500	0.6454
				348	0.2000	2.89		428	13.200	0.6621
				355	0.3428	2.93		434	13.500	0.6788
				403	0.0750	2.94		446	17.000	0.7170
				408	0.6000	2.99		449	17.900	0.7280
				416	0.1500	3.01		458	22.500	0.7659
				423	1.1143	3.14		502	22.500	0.7847
				430	0.9429	3.25		519	16.800	0.8544
				441	0.2181	3.29		527	15.500	0.8814
				506	0.0480	3.31		534	16.200	0.9045
				515	0.5333	3.39		540	18.800	0.9264
				520	1.4399	3.51		547	28.900	0.9613
				533	0.6462	3.65		548	34.400	0.9679

Conversion Factor: CFS to IN/HR, multiply by 0.0125219.

1979 SELECTED RUNOFF EVENT — COSHOCTON, OHIO WATERSHED 166

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 13 - 17, 1979 (CONTINUED)							
			9-14	540	1.2000	3.79	9-14	550	42.600	0.9840
				555	1.8000	4.24		551	48.100	0.9934
				604	0.9333	4.38		554	63.200	1.0283
				638	0.2647	4.53		555	70.100	1.0422
				728	0.1200	4.62		600	4.100	1.0809
				812	0.0546	4.67		604	94.700	1.1221
				830	0.2000	4.73		605	94.700	1.1419
				1010	0.0120	4.75		606	97.100	1.1619
								610	87.300	1.2389
								616	74.300	1.3400
								620	61.900	1.3969
								626	49.200	1.4664
								630	41.600	1.5043
								637	34.400	1.5599
								644	28.900	1.6061
								650	24.600	1.6396
								701	18.800	1.6894
								713	14.300	1.7309
								728	10.400	1.7695
								742	7.990	1.7964
								802	5.970	1.8255
								824	4.830	1.8503
								840	4.340	1.8656
								904	4.100	1.8868
								927	3.990	1.9062
								938	3.660	1.9150
								1008	2.430	1.9340
								1036	1.770	1.9463
								1102	1.440	1.9550
								1130	1.200	1.9627
								1200	1.100	1.9699
								1230	0.903	1.9762
								1334	0.813	1.9876
								1335	0.813	1.9878
								1600	0.700	2.0107
								2400	0.595	2.0756
							9-15	600	0.525	2.1176
								1130	0.460	2.1515
								1600	0.380	2.1752
								2400	0.355	2.2120
							9-16	1200	0.295	2.2609
								1700	0.235	2.2774
								2400	0.235	2.2980
							9-17	1200	0.405	2.3461
								1600	0.165	2.3604
								2400	0.165	2.3769

Conversion Factor: CFS to IN/HR, multiply by 0.0125219.



EVENT OF SEPTEMBER 13 - 17, 1979

COSHOCTON, OHIO WATERSHED 166

LOCATION: Noble Co., Okla.; 15 mi. N. of Stillwater; Black Bear Creek, Arkansas River. Lat. 36 deg. 21 min. N.; Long. 97 deg. 04 min. W.

AREA: 16.70 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — STILLWATER, OKLAHOMA WATERSHED W-1

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	0.68	2.38	1.37	1.74	5.11	2.70	2.08	2.42	0.64	1.06	3.64	0.47	24.29
1978	Q	0.0	1.702	0.043	0.048	0.236	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.028
	P	1.33	0.34	4.02	2.36	3.44	4.76	2.08	2.87	1.46	1.51	3.22	1.78	29.17
1979	Q	0.047	0.0	0.413	0.318	1.075	0.614	0.0	0.0	0.0	0.0	0.0	0.0	2.466
STA AV	P	0.68	1.11	2.01	2.63	4.75	3.85	3.62	2.89	4.06	2.48	1.81	1.14	31.03
	Q	0.188	0.296	0.776	0.822	1.550	0.893	0.448	0.202	0.711	0.652	0.574	0.318	7.430

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval: 1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	2-12	0.315	2-12	0.280	2-12	0.513	2-12	1.044	2-12	1.205	2-12	1.290	2-11	1.294	2- 5	1.294
1979	6- 9	0.602	6- 9	0.387	6- 9	0.521	6- 9	0.579	5- 3	0.650	5- 3	0.984	5- 2	1.075	4-26	1.075
MAXIMUMS FOR PERIOD OF RECORD																
	4-18	6.999	8- 8	3.516	8- 8	3.812	7-15	3.963	10- 2	4.519	7-14	5.185	11- 2	5.720	10-28	10.140
	1957		1973		1973		1951		1959		1951		1974		1974	

Watershed Conditions: All native grass pasture located in region (H-80) of the Central Rolling Red Prairies land resource area.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, USDA Misc. Pub. 1194, p. 37.1-7 (revised).
Precipitation: Records began July 1951. Data from R-1 rain gage. Data from R-3 rain gage through 1964 combined with data from R-1 from 1965 onward. Station averages include part-year records.
Runoff: Records began July 1951. Station averages include part-year records.
Long-Term Precipitation: National Weather Service records at Stillwater, Oklahoma.
Notes: Station operated by Oklahoma Agricultural Experiment Station since March 30, 1973.

1978 DAILY PRECIPITATION (INCHES) — STILLWATER, OKLAHOMA WATERSHED W-1

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.09	0.03	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.10	0.11	0.0	0.48	0.0	0.0	0.33	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.83	0.61	0.0	0.0	0.70	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0 E	0.0	0.58	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.36E	0.0	0.0	0.0	0.0	0.04	0.0
6	0.0	0.0	0.0	0.0	0.0	0.13E	0.0	0.0	0.0	0.0	0.71	0.0
7	0.0	0.0	0.12	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.0	0.0
9	0.0	0.05	0.0	0.06	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0
10	0.0	0.05	0.0	0.41	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0
11	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0
13	0.04	0.25	0.0	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.14	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.95	0.0
15	0.06	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0
16	0.21	0.0	0.0	0.34	0.0	0.0	0.04	0.0	0.0	0.0	0.19	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.03	0.47	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.66	0.06	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.44	0.46	0.0	0.0	0.26	0.0	0.0	0.0
21	0.0	0.0	0.02	0.0	0.35	1.14	0.0	0.0	0.21	0.0	0.0	0.0
22	0.05	0.0	0.05	0.0	0.0	0.0	0.22	0.0	0.0	0.08	0.0	0.0
23	0.06	0.0	0.54	0.0	0.0	0.0	0.29	0.0	0.0	0.08	0.08	0.0
24	0.20	0.0	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0
26	0.0	0.0	0.0	0.0	0.03	0.0	0.58	0.0	0.0	0.0	0.10	0.0
27	0.0	0.05	0.0	0.0	2.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0
30	0.0		0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05S
31	0.0		0.0		0.0		0.0	0.0		0.0		0.42S
TOTAL	0.68	2.38	1.37	1.74	5.11	2.70	2.08	2.42	0.64	1.06	3.64	0.47
STA AV	0.65	1.14	1.94	2.64	4.80	3.82	3.67	2.89	4.15	2.52	1.76	1.12

Gaging: Rain gage R-1.
Station Averages: 28 yr beginning 1951 (part-year records included).

1979 DAILY PRECIPITATION (INCHES) STILLWATER, OKLAHOMA WATERSHED R-1

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
2	0.0	0.0	0.40	0.0	1.15	0.0	0.0	0.0	0.10	0.0	0.0	0.0
3	0.0	0.0	0.0	0.47	1.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.03	0.0	0.0	0.0	0.0	0.87	0.0	0.0	0.0	0.0	0.0
6	0.10	0.06	0.0	0.0	0.0	0.05	0.45	0.0	1.30	0.0	0.0	0.0
7	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0
8	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.40	0.0
9	0.0	0.0	0.0	0.0	0.0	3.33	0.0	0.0	0.0	0.0	0.58	0.0
10	0.0	0.0	0.0	1.00	0.08	0.0	0.0	1.15	0.0	0.0	0.0	0.0
11	0.0	0.10S	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0
16	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.08	0.25	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0
18	0.82	0.0	1.67	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.13	0.05	0.0	0.0	0.02	0.0	0.0	1.99	0.0
21	0.0	0.0	0.0	0.0	0.61	0.0	0.0	0.10	0.0	0.56	0.12	0.0
22	0.0	0.0	1.80	0.0	0.02	0.83	0.0	0.0	0.0	0.0	0.0	0.0
23	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.03	0.0	0.0	0.0	0.0
25	0.05	0.0	0.0	0.0	0.0	0.0	0.05	0.88	0.0	0.0	0.0	0.0
26	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.15	0.0	0.02	0.0	0.26	0.0	0.0	0.0	0.0	0.0	1.63
29	0.04		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15
30	0.06		0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.70	0.0	0.0
31	0.0		0.0		0.0		0.18	0.06		0.0		0.0
TOTAL	1.33	0.34	4.02	2.36	3.44	4.76	2.08	2.87	1.46	1.51	3.22	1.78
STA AV	0.68	1.11	2.01	2.63	4.75	3.85	3.62	2.89	4.06	2.48	1.81	1.14

Gaging: Rain gage R-1.
Station Averages: 29 yr beginning 1951 (part-year records included).

1978 MEAN DAILY DISCHARGE (CFS) STILLWATER, OKLAHOMA WATERSHED R-1

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.010	0.0	0.034	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.903	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.186	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.088	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.002	0.030	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.069	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.097	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0427	0.0010	0.0011	0.0053	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.0	1.702	0.043	0.048	0.236	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STA AV	0.193	0.308	0.790	0.841	1.568	0.903	0.464	0.209	0.737	0.675	0.594	0.330

Conversion Factor: CFS to IN/DAY, multiply by 1.425249.
Station Averages: 28 yr beginning 1951 (part-year records included).

1979 MEAN DAILY DISCHARGE (CFS) STILLWATER, OKLAHOMA WATERSHED W-1

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.030	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.469	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.255	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.430	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.220	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.033	0.0	0.267	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0011	0.0	0.0093	0.0074	0.0243	0.0143	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.047	0.0	0.413	0.318	1.075	0.614	0.0	0.0	0.0	0.0	0.0	0.0
STA AV	0.188	0.296	0.776	0.822	1.550	0.893	0.448	0.202	0.711	0.652	0.574	0.318

Conversion Factor: CFS to IN/DAY, multiply by 1.425249.
Station Averages: 29 yr beginning 1951 (part-year records included).

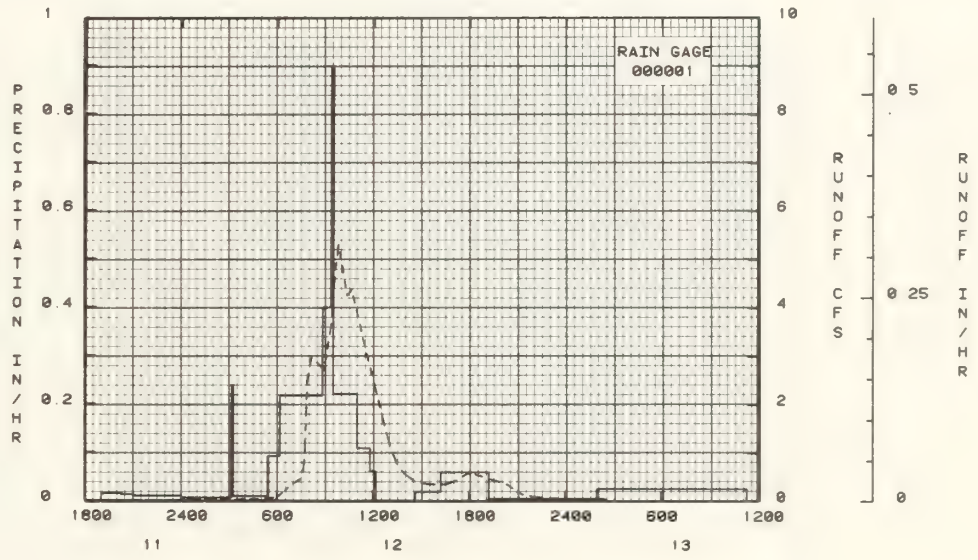
1978 SELECTED RUNOFF EVENT STILLWATER, OKLAHOMA WATERSHED W-1

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF FEBRUARY 11 - 13, 1978							
RG 0C0001				RG 0C0001						
2-11	0.0	0.0	2-11	1900	0.0	0.0	2-11	2218	0.0	0.0
				2015	0.0160	0.02		2219	0.0	0.0
				2100	0.0133	0.03		2220	0.0	0.0
				2400	0.0100	0.06		2330	0.007	0.0002
			2-12	310	0.0063	0.08		2400	0.007	0.0004
WATERSHED CONDITIONS:										
100% of area in native grass pasture in fair condition.				315	0.2400	0.10	2-12	46	0.020	0.0011
				525	0.0092	0.12		450	0.042	0.0085
				610	0.0933	0.19		548	0.067	0.0117
				850	0.2175	0.77		607	0.113	0.0134
				920	0.4000	0.97		619	0.165	0.0150
				930	0.9000	1.12		631	0.221	0.0173
				1100	0.2200	1.45		642	0.281	0.0200
				1150	0.1080	1.54		700	0.360	0.0257
				1210	0.0600	1.56		730	0.461	0.0379
				1440	0.0	1.56		739	0.631	0.0428
				1615	0.0189	1.59		743	0.862	0.0458
				1915	0.0600	1.77		747	1.303	0.0500
				2400	0.0042	1.79		749	1.802	0.0531
			2-13	200	0.0050	1.80		753	2.492	0.0616
				1120	0.0257	2.04		808	2.964	0.1021
								855	2.711	0.2341
								923	3.671	0.3225
								935	4.631	0.3718
								948	5.304	0.4358
								1021	4.243	0.5917
								1038	4.378	0.6642
								1122	3.334	0.8321
								1206	2.374	0.9564
								1237	1.701	1.0189
								1303	1.143	1.0555

Conversion Factor: CFS to IN/HR, multiply by 0.059385.

1978 SELECTED RUNOFF EVENT					STILLWATER, OKLAHOMA WATERSHED W-1				
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF FEBRUARY 11 - 13, 1978 (CONTINUED)							
							2-12	1330	0.761	1.0810
								1358	0.556	1.0992
								1436	0.406	1.1173
								1526	0.340	1.1358
								1630	0.340	1.1573
								1714	0.431	1.1741
								1800	0.591	1.1974
								1930	0.431	1.2429
								2024	0.340	1.2635
								2043	0.261	1.2691
								2101	0.184	1.2731
								2122	0.130	1.2764
								2208	0.081	1.2812
								2400	0.042	1.2880
							2-13	230	0.042	1.2942
								232	0.0	1.2943

Conversion Factor: CFS to IN/HR, multiply by 0.059385.



EVENT OF FEBRUARY 11 - 13, 1978

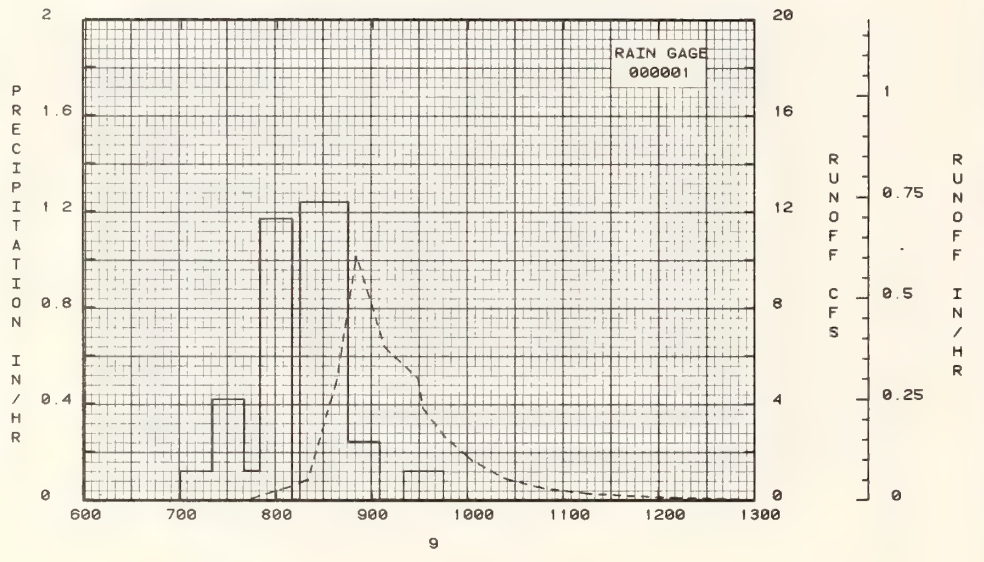
STILLWATER, OKLAHOMA WATERSHED W-1

1979 SELECTED RUNOFF EVENT — STILLWATER, OKLAHOMA WATERSHED W-1

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JUNE 9, 1979						
RG 000001				RG 000001						
6- 9	1.71	0.029	6- 9	700	0.0	0.0	6- 9	600	0.0	0.0
				720	0.1200	0.04		700	0.0	0.0
				740	0.4200	0.18		720	0.0	0.0
				750	0.1200	0.20		741	0.0	0.0
				810	1.1700	0.59		810	0.591	0.0085
				815	0.0	0.59		820	0.862	0.0157
				845	1.2400	1.21		838	5.035	0.0682
				905	0.2400	1.29		841	6.332	0.0851
				920	0.0	1.29		850	10.142	0.1584
				945	0.1200	1.34		908	6.332	0.3052
								929	5.035	0.4233
								932	3.789	0.4364
								946	2.593	0.4806
								1003	1.623	0.5161
								1024	0.862	0.5419
								1048	0.461	0.5577
								1118	0.241	0.5681

WATERSHED CONDITIONS:
100% of area in native grass pasture in fair condition.

Conversion Factor: CFS to IN/HR, multiply by 0.059385.



EVENT OF JUNE 9, 1979

STILLWATER, OKLAHOMA WATERSHED W-1

LOCATION: Noble Co., Okla.; 15 mi. N. of Stillwater; Black Bear Creek, Arkansas River. Lat. 36 deg. 21 min. N.; Long. 97 deg. 04 min. W.

AREA: 92.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) STILLWATER, OKLAHOMA WATERSHED W-3

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	0.75	2.34	1.36	1.76	4.84	2.61	1.93	2.38	0.74	0.99	3.55	0.60	23.85
1978	Q	0.0	0.175	0.094	0.118	0.757	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.145
	P	1.34	0.40	3.86	2.27	3.20	4.75	1.98	2.87	1.35	1.44	3.05	1.63	28.14
1979	Q	0.236	0.0	1.558	0.344	0.453	0.414	0.0	0.0	0.0	0.0	0.0	0.0	3.006
STA AV	P	0.68	1.11	2.01	2.53	4.62	3.80	3.57	2.87	3.87	2.42	1.76	1.13	30.38
	Q	0.114	0.228	0.664	0.648	1.318	0.720	0.370	0.057	0.609	0.529	0.367	0.193	5.815

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	5-28	0.141	5-28	0.124	5-27	0.228	5-27	0.482	5-27	0.605	5-27	0.708	5-26	0.712	5-20	0.712
1979	3-22	0.371	3-22	0.290	3-22	0.529	3-22	0.941	3-22	1.017	3-22	1.090	3-21	1.095	3-15	1.558
MAXIMUMS FOR PERIOD OF RECORD																
	7-15 1951	4.739	7-15 1951	2.896	7-15 1951	3.486	7-15 1951	3.796	10- 2 1959	4.957	10- 1 1959	5.185	10- 1 1959	6.083	9-30 1959	8.143

Watershed Conditions: All native grass cover, 32% in hay meadow and 68% in pasture. The pasture was grazed using normal procedures for the year.
Maps: Topographic/Hydrologic - Selected Runoff Events for Small Agricultural Watersheds in the United States, USDA, ABS, Jan. 1960, p. 37.2-6.
Precipitation: Records began July 1951. Data from rain gage R-3. Station averages include part-year records.
Runoff: Records began July 1951. Station averages include part-year records.
Long-Term Precipitation: National Weather Service records at Stillwater, Oklahoma.
Notes: Station operated by Oklahoma Agricultural Experiment Station since March 30, 1973.

1978 DAILY PRECIPITATION (INCHES) STILLWATER, OKLAHOMA WATERSHED W-3

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.10	0.03	0.0	0.08	0.08	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.03	0.12	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.83	1.20E	0.0	0.0	0.75	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.13	0.0
6	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.62	0.0
7	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.83	0.0	0.0
9	0.0	0.08	0.0	0.07	0.0	0.0	0.0	0.25	0.21	0.0	0.0	0.0
10	0.0	0.07	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06E	0.0
13	0.05	0.20E	0.0	0.0	0.0	0.0	0.92	0.0	0.0	0.0	0.18E	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.85E	0.0
15	0.05	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30E	0.0
16	0.20	0.05	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.19E	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.03	0.41	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.55	0.07	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.35	0.49	0.0	0.0	0.35	0.0	0.0	0.0
21	0.05	0.0	0.0	0.0	0.32	1.05	0.0	0.0	0.18	0.0	0.0	0.0
22	0.05	0.0	0.03	0.0	0.0	0.03	0.18	0.0	0.0	0.09	0.0	0.0
23	0.03	0.0	0.65	0.0	0.0	0.0	0.29	0.0	0.0	0.07	0.03	0.0
24	0.22	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0
26	0.0	0.0	0.0	0.0	0.02	0.0	0.54	0.0	0.0	0.0	0.03	0.0
27	0.0	0.06	0.0	0.0	2.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.54	0.0	0.0	0.0	0.0
30	0.0		0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
31	0.0		0.0		0.0		0.0	0.0		0.0		0.55
TOTAL	0.75	2.34	1.36	1.76	4.84	2.61	1.93	2.38	0.74	0.99	3.55	0.60
STA AV	0.65	1.14	1.94	2.54	4.68	3.77	3.63	2.87	3.96	2.46	1.72	1.11

Gaging: Rain gage R-3.
Station Averages: 28 yr beginning 1951 (part-year records included).

1979	DAILY PRECIPITATION (INCHES)					STILLWATER, OKLAHOMA WATERSHED W-3						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
2	0.0	0.0	0.38	0.0	1.02	0.0	0.0	0.0	0.12	0.0	0.0	0.0
3	0.0	0.0	0.0	0.46	0.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.03	0.0	0.0	0.0	0.0	0.91	0.0	0.0	0.0	0.0	0.0
6	0.10	0.06	0.0	0.0	0.0	0.05	0.40	0.0	1.17	0.0	0.0	0.0
7	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0
8	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.36	0.0
9	0.0	0.0	0.0	0.0	0.0	3.29	0.0	0.0	0.0	0.0	0.59	0.0
10	0.0	0.0	0.0	1.00	0.05	0.0	0.0	1.09	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0
16	0.0	0.08S	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.07	0.20	0.0	0.0	0.38	0.0	0.0	0.0	0.0	0.0
18	0.76	0.0	1.55	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.67	0.0	0.0	0.0	0.0
20	0.0	0.03	0.0	0.12	0.04	0.0	0.0	0.03	0.0	0.0	1.85	0.0
21	0.0	0.0	0.0	0.0	0.61	0.0	0.0	0.08	0.0	0.52	0.12	0.0
22	0.0	0.0	1.72	0.0	0.02	0.88	0.0	0.0	0.0	0.0	0.0	0.0
23	0.10	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.02	0.0	0.0	0.0	0.0
25	0.05	0.0	0.0	0.0	0.0	0.0	0.05	0.92	0.0	0.0	0.0	0.0
26	0.13	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.05	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.13	0.0	0.02	0.0	0.29	0.0	0.0	0.0	0.0	0.0	1.49
29	0.05		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
30	0.05		0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.64	0.0	0.0
31	0.0		0.0		0.0		0.17	0.06		0.0		0.0
TOTAL	1.34	0.40	3.86	2.27	3.20	4.75	1.98	2.87	1.35	1.44	3.05	1.63
STA AV	0.68	1.11	2.01	2.53	4.62	3.80	3.57	2.87	3.87	2.42	1.76	1.13

Gaging: Rain gage R-3.
Station Averages: 29 yr beginning 1951 (part-year records included).

1978	MEAN DAILY DISCHARGE (CFS)					STILLWATER, OKLAHOMA WATERSHED R-3						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.392	0.151	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.042	0.023	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.503	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.158	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.017	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.358	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.936	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.818	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0242	0.0118	0.0152	0.0944	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.0	0.175	0.094	0.118	0.757	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STA AV	0.110	0.237	0.630	0.659	1.350	0.731	0.383	0.059	0.631	0.548	0.380	0.200

Conversion Factor: CFS to IN/DAY, multiply by 0.258714.
Station Averages: 28 yr beginning 1951 (part-year records included).

1979 MEAN DAILY DISCHARGE (CFS) STILLWATER, OKLAHOMA WATERSHED W-3

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.049	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.967	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.733	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	1.602	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	1.203	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.128	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.901	0.0	1.791	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	4.041	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.192	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0294	0.0	0.1943	0.0444	0.0564	0.0534	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.236	0.0	1.558	0.344	0.453	0.414	0.0	0.0	0.0	0.0	0.0	0.0
STA AV	0.114	0.228	0.664	0.648	1.318	0.720	0.370	0.057	0.609	0.529	0.367	0.193

Conversion Factor: CFS to IN/DAY, multiply by 0.258714.
Station Averages: 29 yr beginning 1951 (part-year records included).

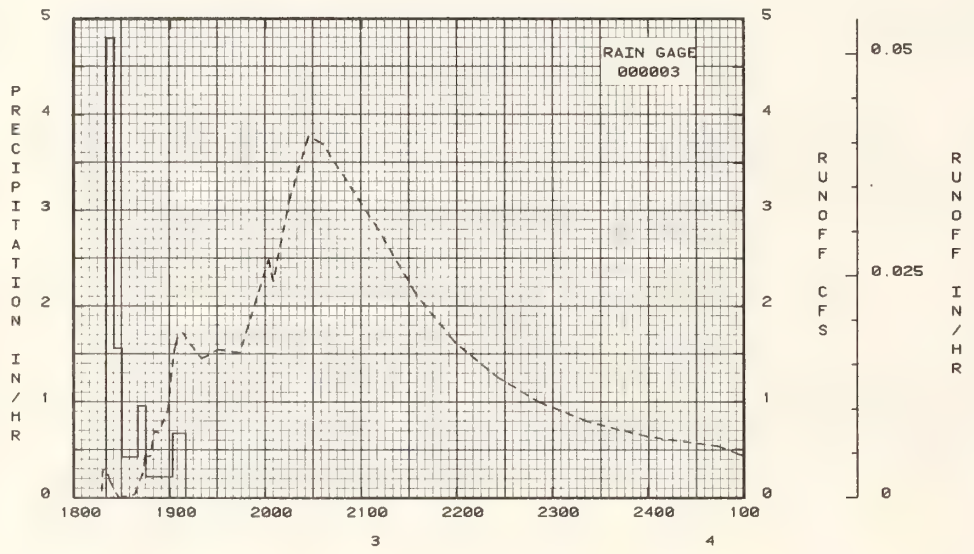
1978 SELECTED RUNOFF EVENT STILLWATER, OKLAHOMA WATERSHED W-3

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF APRIL 3 - 4, 1978										
RG 000003			RG 000003							
4- 3	0.0	0.0	4- 3	1820	0.0	0.0	4- 3	1816	0.0	0.0
				1825	4.8000	0.40		1817	0.0	0.0
				1830	1.5600	0.53		1818	0.294	0.0000
				1840	0.4200	0.60		1820	0.306	0.0001
				1845	0.9600	0.68		1822	0.184	0.0002
WATERSHED CONDITIONS: 100% of area in native grass; 32% in hay meadow in good condition, 46% in pasture in fair condition, and 22% in pasture in poor condition.				1902	0.2118	0.74		1828	0.0	0.0003
				1910	0.6750	0.83		1838	0.043	0.0004
								1843	0.263	0.0005
								1845	0.471	0.0006
								1846	0.428	0.0007
								1848	0.440	0.0009
								1850	0.686	0.0011
								1853	0.676	0.0014
								1859	0.921	0.0023
								1901	1.304	0.0027
								1903	1.558	0.0032
								1905	1.683	0.0038
								1908	1.731	0.0047
								1913	1.600	0.0062
								1920	1.447	0.0081
								1930	1.549	0.0108
								1944	1.508	0.0147
								1956	2.159	0.0186
								2002	2.493	0.0211
								2005	2.259	0.0224
								2015	3.114	0.0272
								2027	3.785	0.0347
								2036	3.691	0.0407
								2111	2.787	0.0611
								2135	2.112	0.0716

Conversion Factor: CFS to IN/HR, multiply by 0.01078.

1978 SELECTED RUNOFF EVENT							STILLWATER, OKLAHOMA WATERSHED W-3			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 3 - 4, 1978 (CONTINUED)							
							4- 3	2159	1.616	0.0797
								2225	1.258	0.0864
								2252	0.986	0.0918
								2324	0.777	0.0969
								2400	0.635	0.1015
							4- 4	44	0.532	0.1061

Conversion Factor: CFS to IN/HR, multiply by 0.01078.



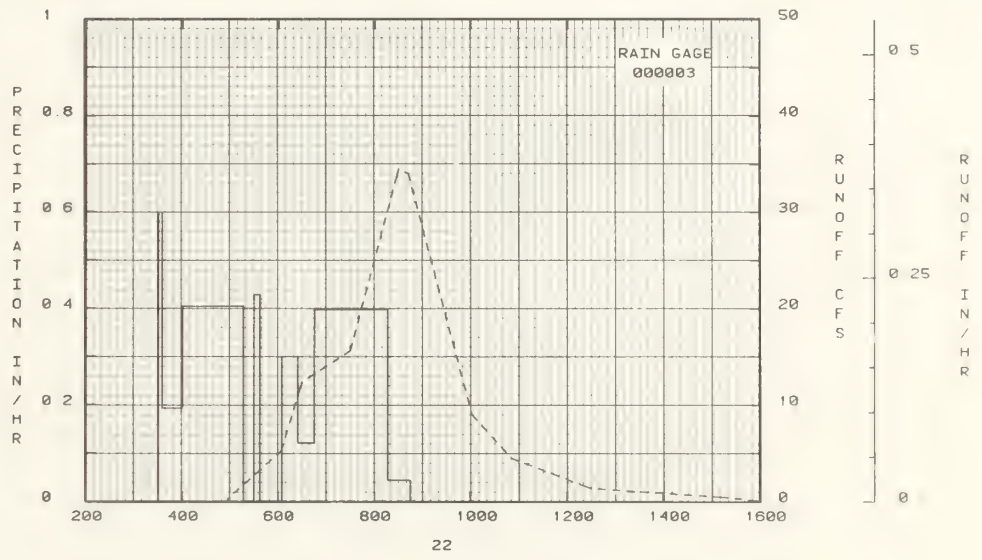
EVENT OF APRIL 3 - 4, 1978

STILLWATER, OKLAHOMA WATERSHED W-3

1979 SELECTED RUNOFF EVENT — STILLWATER, OKLAHOMA WATERSHED W-3

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MARCH 22, 1979						
	RG 000003			RG 000003						
3-22	0.0	0.0	3-22	330	0.0	0.0	3-22	420	0.0	0.0
				335	0.6000	0.05		456	0.0	0.0
				400	0.1920	0.13		458	0.340	0.0001
				517	0.4052	0.65		604	5.223	0.0330
				530	0.0	0.65		630	12.392	0.0742
WATERSHED CONDITIONS: 100% of area ir native grass; 32% in hay meadow in good condition, 46% in pasture in fair condition, and 22% in pasture in poor condition.				537	0.4286	0.70		730	15.632	0.2252
				605	0.0	0.70		830	34.460	0.4952
				625	0.3000	0.80		842	33.980	0.5690
				645	0.1200	0.84		1002	8.920	0.8773
				817	0.2978	1.45		1051	4.417	0.9360
				845	0.0429	1.47		1230	1.344	0.9872
								1520	0.370	1.0134

Conversion Factor: CFS to IN/HR, multiply by 0.01078.



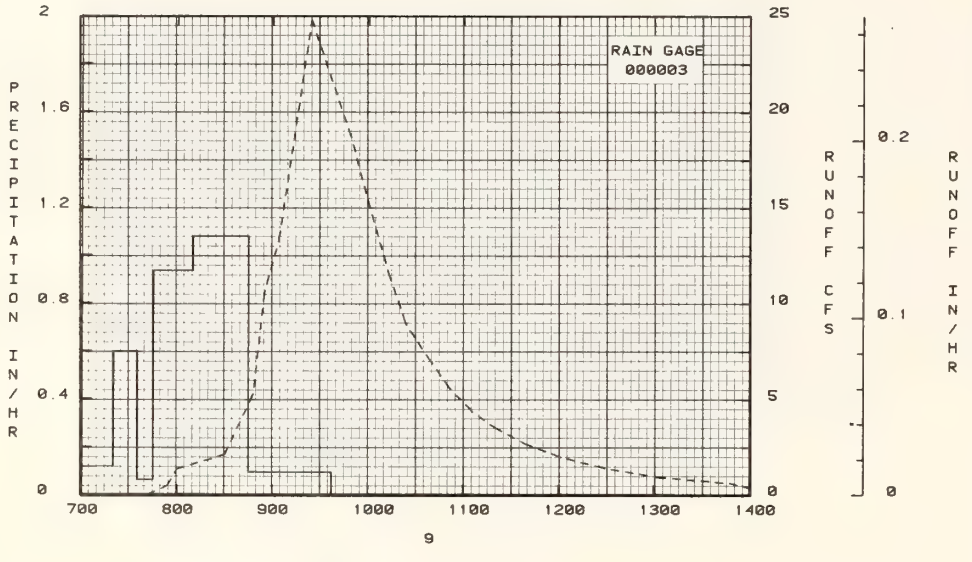
EVENT OF MARCH 22, 1979

STILLWATER, OKLAHOMA WATERSHED W-3

1979 SELECTED RUNOFF EVENT — STILLWATER, OKLAHOMA WATERSHED W-3

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 9, 1979							
RG 0C0003			RG 000003							
6- 9	1.76	0.002	6- 9	700	0.0	0.0	6- 9	630	0.0	0.0
				720	0.1200	0.04		720	0.012	0.0001
				735	0.6000	0.19		728	0.012	0.0001
				745	0.0600	0.20		742	0.024	0.0001
				810	0.9360	0.59		754	0.476	0.0007
WATERSHED CONDITIONS: 100% of area in native grass; 32% in hay meadow in good condition, 46% in pasture in fair condition, and 22% in pasture in poor condition.				845	1.0800	1.22		800	1.365	0.0016
				937	0.0923	1.30		830	2.113	0.0110
								848	5.256	0.0229
								855	10.679	0.0330
								904	13.380	0.0524
								924	24.784	0.1210
								949	18.644	0.2185
								1001	14.969	0.2547
								1013	11.533	0.2833
								1024	8.869	0.3035
								1038	7.149	0.3236
								1052	5.495	0.3395
								1106	4.334	0.3519
								1120	3.478	0.3617
								1139	2.649	0.3721
								1201	1.966	0.3813
								1229	1.388	0.3897

Conversion Factor: CFS to IN/HR, multiply by 0.01078.



EVENT OF JUNE 9, 1979

STILLWATER, OKLAHOMA WATERSHED W-3

LOCATION: McLennan Co., Texas; 14 mi. ESE of Waco; Brazos River Basin. Lat. 31 deg. 31 min. 11 sec. N.; long. 96 deg. 53 min. 34 sec. W.

AREA: 579.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED C

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.28	3.10	5.35	1.25	2.57	2.85	0.66	2.17	1.55	1.76	4.87	2.84	31.21
1978	Q	0.0	0.049	2.837	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.207	3.092
	P	2.07	2.86	4.84	4.42	12.74	4.30	1.72	3.01	2.99	4.01	0.86	5.09	48.91
1979	Q	0.160	0.482	1.264	1.942	6.152	1.018	0.0	0.0	0.0	0.031	0.000	1.167	12.217
STA AV	P	1.95	2.70	2.45	4.00	4.15	3.19	1.85	2.51	3.35	3.40	2.96	2.41	34.92
	Q	0.467	0.679	0.726	1.096	1.022	0.585	0.227	0.151	0.303	0.518	0.475	0.587	6.836

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	0.866	3- 6	0.793	3- 6	1.340	3- 6	2.362	3- 6	2.792	3- 6	2.831	3- 6	2.837	3- 2	2.837
1979	5-10	1.524	5-10	1.341	5-10	2.121	5-10	2.995	5-10	3.146	5-10	3.324	5-10	3.375	5-10	3.380
MAXIMUMS FOR PERIOD OF RECORD																
	3-29	1.580	3-29	1.500	3-29	2.520	3-29	3.550	3-29	3.800	3-29	4.480	9- 7	4.780	4-19	8.760
	1965		1965		1965		1965		1965		1965		1942		1957	

Watershed Conditions: 1978 - 66% pasture; 23% row grain sorghum; 3% fall planted oats; 2% gravel and paved roads; 6% other. Approximately 90% of other is Johnsongrass and weeds in conservation reserve, but neither tilled nor grazed. 1979 - 69% pasture; 19% row grain sorghum; 7% fall planted oats; 2% gravel and paved roads; 3% other. Approximately 90% of other is Johnsongrass and weeds in conservation reserve, but neither tilled nor grazed.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 42.4-6.
Precipitation: Records began Feb. 1938. Data from Thiessen weighted method using rain gages 5, 14, 20.
Runoff: Records began Feb. 1938. Station not in operation July 1943 to March 1, 1949.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY AIR TEMPERATURE (DEGREES F) — RIESEL (WACO), TEXAS WATERSHED C

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	62	30	60	36	82	32	84	57	86	68	90	69	96	72	80	70	89	71	90	65	83	58	77	44
2	38	24	55	35	78	47	83	63	79	61	87	69	96	74	90	71	89	70	90	63	85	58	78	65
3	48	24	41	34	76	27	83	62	67	50	79	69	99	72	94	74	94	72	90	70	84	59	73	34
4	58	31	43	31	40	21	88	63	73	43	85	69	98	74	94	72	96	73	89	65	85	58	56	33
5	78	49	48	35	63	24	87	65	88	59	89	67	99	74	91	71	92	70	89	68	79	58	69	35
6	80	42	50	30	60	49	84	60	87	68	93	73	99	73	88	68	93	71	86	64	64	54	68	40
7	78	56	53	32	60	45	84	61	86	72	90	65	99	73	95	70	91	69	78	60	62	47	41	36
8	78	36	33	27	46	37	78	62	92	64	90	65	100	72	96	77	81	70	73	57	65	40	37	25
9	46	20	32	30	59	32	82	64	92	63	90	64	99	75	96	73	88	72	80	59	69	41	39	25
10	40	25	34	28	75	37	79	61	88	63	84	65	100	72	100	71	81	72	85	63	80	52	44	22
11	36	28	44	30	73	49	69	48	88	66	90	67	99	75	99	73	82	71	91	71	80	55	54	29
12	35	30	55	44	70	40	70	51	93	72	92	72	99	74	100	74	90	75	91	70	78	56	60	30
13	54	31	56	33	79	52	78	50	92	58	93	74	99	75	101	73	91	74	90	63	83	66	62	41
14	54	28	54	28	78	49	81	52	88	56	91	70	100	77	99	76	92	73	80	53	81	63	58	39
15	57	25	46	33	76	45	79	58	93	61	91	72	103	76	100	75	91	76	84	48	78	43	67	38
16	68	41	53	35	72	39	82	61	92	73	92	73	107	78	101	76	90	74	87	47	47	43	61	40
17	42	20	54	33	78	43	82	65	91	73	92	72	107	75	99	75	93	76	87	51	62	35	57	41
18	37	29	38	23	78	42	84	54	92	69	93	70	101	75	100	77	91	75	82	49	68	47	69	46
19	34	19	48	21	79	50	83	57	91	71	91	70	100	74	98	74	92	75	88	56	65	50	75	52
20	34	17	55	30	79	60	74	49	90	68	93	70	99	75	99	77	93	71	91	57	51	48	76	58
21	34	23	53	24	81	56	80	49	82	66	93	70	99	75	101	74	92	67	90	56	52	48	74	38
22	40	23	69	25	81	56	78	58	84	68	92	69	97	74	100	72	84	66	85	61	59	50	63	34
23	40	21	70	38	79	61	87	57	88	69	94	71	98	71	98	73	82	68	69	63	76	59	69	39
24	47	36	75	34	72	46	91	65	88	69	94	73	93	72	98	72	87	70	77	55	74	55	69	39
25	53	35	75	47	60	39	91	62	89	69	95	73	97	73	99	75	89	66	78	64	75	67	66	33
26	53	24	66	38	68	40	76	53	91	72	97	73	97	75	99	75	87	66	71	54	74	62	65	45
27	45	33	66	48	77	44	81	52	90	70	96	74	97	76	97	74	80	67	73	50	70	45	54	41
28	42	28	82	51	80	47	83	56	89	71	95	72	97	71	97	76	82	65	76	54	52	37	59	41
29	43	31			79	52	79	67	87	67	97	73	96	72	95	72	88	62	76	58	71	40	62	54
30	41	36			79	49	84	78	88	67	96	71	98	74	89	74	87	65	83	54	71	43	56	31
31	40	32			81	47			90	68			96	71	89	74			84	58			32	28
AV.	50	30	54	33	72	44	81	59	88	66	91	70	99	74	96	73	89	70	83	59	71	51	61	39
MEAN	39.8		43.6		58.0		70.1		76.6		80.8		86.4		84.9		79.5		71.2		61.0		49.8	
STA AV	58	36	62	40	69	47	77	56	83	63	89	70	93	72	93	72	88	66	81	57	68	46	61	39

Station Averages: 40 yr beginning 1939.
Notes: Data taken daily with maximum and minimum thermometers at 0800 of the day shown.

1979 DAILY AIR TEMPERATURE (DEGREES F) — RIESEL (WACO), TEXAS — WATERSHED C

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	32	18	33	16	65	40	71	57	74	54	82	65	96	73	94	74	92	71	90	64	65	40	46	29
2	23	11	44	27	70	44	68	49	72	62	72	66	94	70	88	72	91	70	93	63	63	41	58	31
3	28	13	42	36	69	48	54	48	78	67	80	67	93	72	90	73	91	72	86	63	66	42	58	35
4	37	24	45	35	64	34	58	42	80	51	83	66	94	73	91	69	92	70	98	54	65	42	61	41
5	43	32	41	35	54	35	58	42	56	51	85	70	94	73	92	71	89	70	79	52	70	48	69	43
6	37	27	39	34	65	39	73	49	71	53	80	67	88	75	93	74	89	69	86	53	69	44	70	42
7	31	27	38	33	73	44	77	51	78	57	90	72	83	74	94	73	92	68	87	58	60	38	61	39
8	33	17	40	33	71	44	69	62	83	64	90	74	92	71	94	68	92	69	90	62	63	43	68	43
9	33	18	59	17	73	52	85	48	84	67	90	72	91	71	91	70	91	61	90	70	72	54	66	40
10	40	24	39	18	74	44	70	53	78	69	89	63	91	70	92	71	87	60	80	44	73	39	66	51
11	38	32	57	30	55	40	76	62	85	56	79	58	91	68	95	69	86	63	70	45	51	34	64	63
12	46	30	65	42	67	41	78	57	57	46	80	61	90	72	78	65	88	68	90	54	58	36	73	36
13	55	32	70	43	70	48	79	54	70	50	83	64	92	73	85	68	86	68	88	58	51	35	37	35
14	41	16	64	43	79	50	74	54	76	55	89	63	93	74	90	72	88	64	83	55	60	37	45	41
15	31	17	75	60	67	44	80	56	78	58	87	65	94	71	91	71	82	56	75	55	65	37	52	36
16	43	22	78	26	49	43	83	58	81	59	88	65	93	73	92	71	77	53	81	62	67	39	56	36
17	60	42	28	23	56	45	83	63	81	61	87	67	92	74	93	68	79	54	84	68	70	43	58	20
18	64	56	29	23	68	54	70	62	82	59	88	66	89	73	90	70	84	57	86	65	72	46	38	20
19	66	62	38	26	75	65	74	62	83	64	91	70	82	70	91	71	73	68	83	65	75	57	52	26
20	68	47	42	31	73	58	78	65	84	69	94	74	86	71	92	72	71	65	86	67	80	65	62	37
21	51	35	56	41	68	59	73	61	82	69	94	73	84	71	92	70	75	62	88	72	77	53	70	50
22	50	30	64	48	72	58	67	60	74	61	93	74	90	72	93	67	82	63	90	55	62	36	67	60
23	57	32	74	62	73	46	69	58	75	63	92	71	90	73	91	67	85	63	67	44	48	29	71	60
24	40	23	67	42	61	43	76	58	80	60	92	71	92	72	87	69	85	61	70	45	59	33	66	42
25	44	26	53	35	63	39	80	62	76	54	93	71	90	74	90	66	84	57	73	50	60	39	60	37
26	45	38	56	32	70	47	82	60	75	58	93	69	85	72	88	68	83	58	77	49	62	39	66	38
27	42	31	57	36	77	58	73	54	79	62	78	69	81	73	90	71	85	60	79	50	70	43	69	41
28	43	21	63	44	73	60	73	50	82	66	89	72	80	73	92	70	85	62	82	55	74	37	67	50
29	41	25			70	63	72	53	84	60	91	73	92	72	91	70	90	65	80	60	53	29	61	46
30	38	32			74	65	66	51	80	60	96	72	93	73	92	70	92	65	82	67	45	21	47	34
31	49	16			75	54			86	63			93	74	90	72			76	43			48	31
AV.	44	28	52	35	68	49	73	55	78	60	87	68	90	72	91	70	86	64	83	57	64	41	60	40
MEAN	35.9		43.4		58.4		64.2		68.6		77.8		81.1		80.4		74.7		70.0		52.4		49.8	
STA AV	58	38	62	40	69	47	77	56	83	63	89	70	93	72	93	72	88	66	81	57	68	46	61	39

Station Averages: 41 yr beginning 1939.
Notes: Data taken daily with maximum and minimum thermometers at 0800 of the day shown.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS — WATERSHED C

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.03	0.0	0.0	0.36	0.0	0.22	0.25	0.0	0.0	0.0
2	0.06	0.0	0.0	0.0	0.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.01	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.20
4	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.30	0.0	0.0	0.0
5	0.0	0.0	0.0	0.19	0.0	0.0	0.0	1.17	0.0	0.07	0.90	0.0
6	0.0	0.09	5.11	0.0	0.0	1.51	0.0	0.0	0.0	0.0	0.01	0.02
7	0.0	0.17	0.0	0.0	0.0	0.76	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
10	0.0	0.0	0.0	0.64	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0
11	0.87	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.34	0.0	0.0	0.13	0.0	0.0	0.0	0.19	0.0	0.0	0.0
13	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.17	0.0
16	0.69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.74	0.0
17	0.0	0.51	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.87	0.0
20	0.0	0.0	0.0	0.0	0.93	0.0	0.0	0.0	0.0	0.0	0.05	0.0
21	0.09	0.0	0.0	0.0	0.40	0.0	0.0	0.64	0.0	0.0	0.41	0.0
22	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0
23	0.0	0.0	0.11	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	1.30	0.0	0.0
26	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.39	0.66	0.0
27	0.0	0.05	0.0	0.0	0.0	0.0	0.48	0.0	0.06	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.01		0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
31	0.27		0.0		0.0		0.0	0.14		0.0		2.57
TOTAL	2.24	3.10	5.35	1.25	2.57	2.85	0.66	2.17	1.55	1.76	4.87	2.84
STA AV	1.95	2.69	2.37	3.98	3.89	3.16	1.85	2.50	3.36	3.38	3.03	2.33

Gaging: Thiessen weighted average of rain gages 5, 14, and 20.
Station Averages: 33 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to March 1949.

1979 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS WATERSHED C

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	2.15	0.69	1.29	0.0	0.21	0.0	0.0	0.0	0.0
2	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.19	0.13	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.08	0.54	0.0	0.0	0.0	0.68	0.0	0.0	0.0	0.0	0.0	0.0
6	0.06	0.46	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0
7	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0
10	0.91	0.0	0.0	0.0	4.02	0.05	0.95	0.32	0.0	0.0	0.0	0.0
11	0.0	0.0	0.07	0.17	1.64	0.0	0.0	1.13	0.0	0.0	0.0	0.63
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.54
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.44	0.0	0.0	0.0	0.0	0.0	0.0	1.54	0.0	0.0
16	0.0	0.0	0.58	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0
17	0.03	0.13	0.0	0.74	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0
18	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.27	0.0	0.13	0.0
19	0.17	0.0	0.57	1.03	0.0	0.0	0.0	0.0	1.61	0.0	0.0	0.0
20	0.22	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.11	0.0	0.0	0.0
21	0.0	0.0	0.24	0.0	0.97	0.0	0.0	0.0	0.0	0.0	0.53	0.93
22	0.0	0.0	0.49	0.0	1.56	0.0	0.0	1.16	0.0	0.74	0.0	0.46
23	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.42
24	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0
25	0.16	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	2.21	0.10	0.0	0.0	0.0	0.0	0.0
27	0.0	0.32	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.36	0.0	0.0	0.0	0.0	0.0	0.0	0.96
29	0.15		0.0	0.33	2.04	0.0	0.0 1	0.0	0.0	0.0	0.0	0.09
30	0.05		0.59	0.0	0.27	0.0	0.0	0.0	0.0	1.73	0.0	0.0
31	0.0		0.38		0.0		0.0	0.0		0.0		0.0
TOTAL	2.07	2.86	4.84	4.42	12.74	4.30	1.72	3.01	2.99	4.01	0.86	5.09
STA AV	1.95	2.70	2.45	4.00	4.15	3.19	1.85	2.51	3.35	3.40	2.96	2.41

Gaging: Thiessen weighted average of rain gages 5, 14, and 20.
Station Averages: 34 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to March 1949.

1978 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED C

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	54.080	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	14.870	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.055	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.057	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0422	2.2260	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.0	0.049	2.837	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STA AV	0.476	0.685	0.709	1.071	0.867	0.572	0.234	0.155	0.312	0.532	0.490	0.570

Station Averages: 33 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to March 1949.
Conversion Factor: CFS to IN/DAY, multiply by 0.041108.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED C

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.149	0.0	0.005	38.179	0.009	18.591	0.0	0.0	0.0	0.0	0.0 T	0.0
2	0.0 T	0.0	0.005	1.487	0.002	1.112	0.0	0.0	0.0	0.0	0.0	0.0
3	0.001	0.0	1.428	0.175	0.003	0.174	0.0	0.0	0.0	0.0	0.0	0.0
4	0.001	0.0	0.077	0.060	0.004	0.033	0.0	0.0	0.0	0.0	0.0	0.0
5	0.006	2.325	0.009	0.015	0.002	3.489	0.0	0.0	0.0	0.0	0.0	0.0
6	0.008	8.348	0.001	0.004	0.0 T	0.433	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0 T	0.647	0.0	0.001	0.0	0.055	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.066	0.0	0.002	0.0	0.007	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.006	0.0	0.001	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
10	1.236	0.001	0.0	0.001	17.815	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	2.427	0.0 T	0.0	0.001	63.230	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.065	0.0	0.0	0.0	1.072	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.006	0.0	0.0	0.0	0.079	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.013	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	3.907	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	8.999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	1.448	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.285	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	2.087	5.833	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.001	0.0	3.264	1.328	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	1.724	0.112	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	5.867	0.030	18.243	0.0	0.0	0.0	0.0	0.0	0.0	6.219
23	0.0	0.0	0.288	0.009	1.120	0.0	0.0	0.0	0.0	0.0	0.0	14.815
24	0.0	0.186	0.026	0.002	0.084	0.0	0.0	0.0	0.0	0.0	0.0	0.972
25	0.0	0.088	0.004	0.0 T	0.011	0.0	0.0	0.0	0.0	0.0	0.0	0.073
26	0.0	0.010	0.0 T	0.0	0.002	0.636	0.0	0.0	0.0	0.0	0.0	0.012
27	0.0	0.006	0.0 T	0.0	0.0	0.223	0.0	0.0	0.0	0.0	0.0	0.001
28	0.0	0.030	0.0	0.0	2.892	0.011	0.0	0.0	0.0	0.0	0.0	2.647
29	0.0		0.0 T	0.001	41.977	0.0 T	0.0	0.0	0.0	0.0	0.0	3.330
30	0.0		0.112	0.0	1.960	0.0	0.0	0.0	0.0	0.585	0.0	0.283
31	0.0		1.203		1.147		0.0	0.0		0.169		0.050
MEAN	0.1258	0.4183	0.9915	1.5748	4.8279	0.8255	0.0	0.0	0.0	0.0243	0.0	0.9161
INCHES	0.160	0.482	1.264	1.942	6.152	1.018	0.0	0.0	0.0	0.031	0.000	1.167
STA AV	0.467	0.679	0.726	1.096	1.022	0.585	0.227	0.151	0.303	0.518	0.475	0.587

Station Averages: 34 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to March 1949.
Conversion Factor: CFS to IN/DAY, multiply by 0.041108.

1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS WATERSHED C

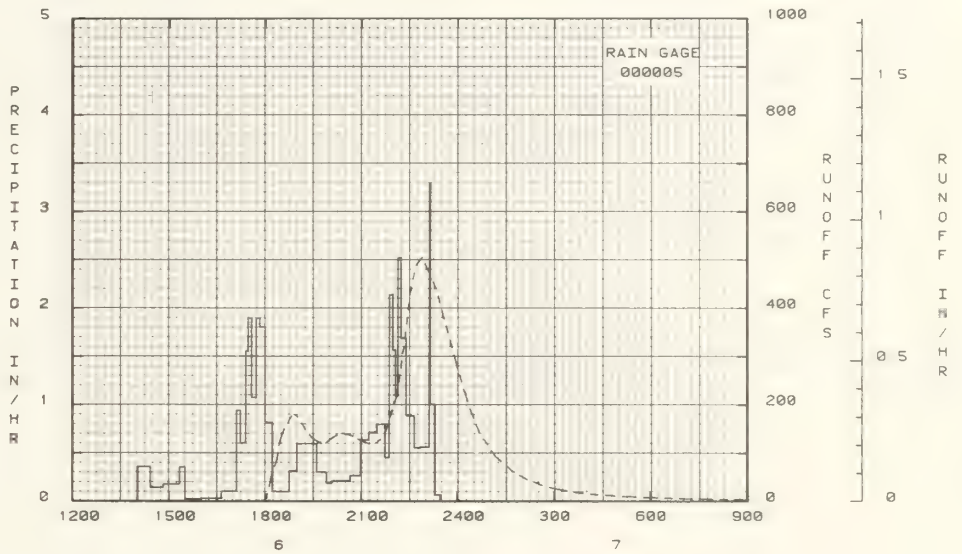
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF MARCH 6 - 7, 1978										
RG 000005			RG 000005							
3- 6	0.0	0.0	3- 6	1402	0.0	0.0	3- 6	1655	0.0	0.0
				1425	0.3652	0.14		1713	0.002	0.0
				1450	0.1440	0.20		1726	0.005	0.0
				1520	0.1800	0.29		1731	0.012	0.0
				1530	0.3600	0.35		1737	0.022	0.0
WATERSHED CONDITIONS: 66% pasture; 23% row grain sorghum; 3% fall planted oats; 2% gravel and paved roads; 6% other. Approx. 90% of other is Johnson-grass and weeds in Conservation reserve, neither tilled nor grazed.				1600	0.0200	0.36		1743	0.016	0.0
				1639	0.0308	0.38		1749	0.029	0.0
				1707	0.1071	0.43		1757	0.045	0.0000
				1714	0.9429	0.54		1804	6.908	0.0007
				1724	0.6000	0.64		1805	16.273	0.0010
				1729	1.5600	0.77		1814	58.596	0.0106
				1735	1.9000	0.96		1823	86.085	0.0292
				1744	1.0667	1.12		1828	125.595	0.0443
				1750	1.9000	1.31		1836	150.568	0.0759
				1800	1.8000	1.61		1850	176.859	0.1413
				1814	0.8143	1.80		1855	179.278	0.1667
				1845	0.0968	1.85		1901	174.763	0.1970
				1900	0.3200	1.93		1915	148.721	0.2617
				1937	0.6000	2.30		1928	130.498	0.3135
				1955	0.3000	2.39		1944	119.948	0.3707
				2005	0.1800	2.42		1955	123.085	0.4089
				2039	0.2118	2.54		2014	137.761	0.4796
				2059	0.2700	2.63		2024	140.251	0.5193
				2114	0.6400	2.79		2044	135.062	0.5979
				2129	0.7200	2.97		2053	128.613	0.6317
				2144	0.8000	3.17		2114	119.063	0.7060
				2152	0.4500	3.23		2127	120.392	0.7504
				2159	2.1429	3.48		2136	128.378	0.7824
				2204	1.5600	3.61		2146	145.854	0.8215
				2209	1.0800	3.70		2206	217.018	0.9251

Conversion Factor: CFS to IN/HR, multiply by 0.001713.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED C

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2214	2.5200	3.91	3- 6	2222	336.673	1.0515
				2224	1.6800	4.19		2231	429.561	1.1500
				2239	0.8800	4.41		2243	490.656	1.3076
				2251	0.5500	4.52		2254	505.568	1.4640
				2307	0.5625	4.67		2309	468.293	1.6725
				2309	3.3000	4.78		2320	439.322	1.8150
				2318	1.0000	4.93		2335	376.809	1.9898
				2328	0.0600	4.94		2350	317.667	2.1385
								2400	275.311	2.2231
							3- 7	15	219.859	2.3291
								25	185.441	2.3870
								41	141.005	2.4615
								111	92.020	2.5613
								144	60.576	2.6332
								210	44.358	2.6721
								238	32.664	2.7029
								258	26.423	2.7198
								324	20.967	2.7374
								355	16.106	2.7538
								423	12.931	2.7654
								454	10.638	2.7758
								534	8.278	2.7866
								614	6.373	2.7950
								704	4.851	2.8030
								743	4.043	2.8079
								846	3.103	2.8144
								954	1.634	2.8190
								1153	1.179	2.8237
								1318	0.883	2.8262
								1714	0.458	2.8308
								2400	0.166	2.8344

Conversion Factor: CFS to IN/HR, multiply by 0.001713.



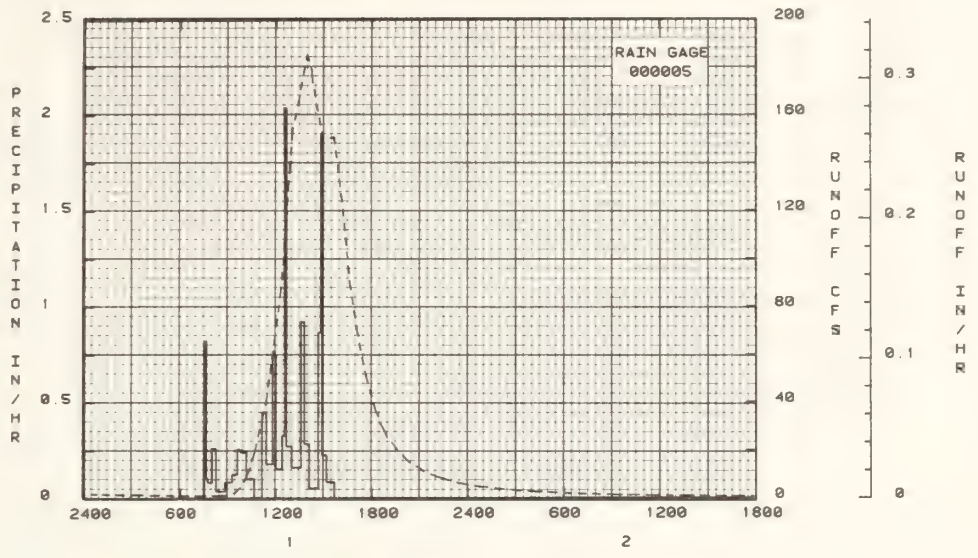
EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED C

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED C

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1 - 2, 1979							
RG 000005			RG 000005							
4- 1	0.0	0.002	4- 1	135	0.0	0.0	4- 1	25	2.011	0.0
				200	0.0	0.0		46	1.818	0.0011
				730	0.0	0.0		106	1.796	0.0022
				738	0.8250	0.11		203	1.600	0.0049
				744	0.1000	0.12		258	1.421	0.0073
WATERSHED CONDITIONS:										
69% pasture; 19% row grain				759	0.0800	0.14		340	1.336	0.0090
sorghum; 7% fall planted				815	0.2625	0.21		442	1.217	0.0112
oats; 2% gravel and paved				848	0.0364	0.23		604	1.035	0.0139
roads; 3% other. Approx.				916	0.0857	0.27		709	0.927	0.0157
90% of other is Johnson-				935	0.1263	0.31		808	0.987	0.0173
grass and weeds in Conser-										
vation reserve, neither				949	0.2571	0.37		856	1.212	0.0188
tilled nor grazed.				1009	0.2400	0.45		928	2.571	0.0205
				1039	0.1000	0.50		947	4.569	0.0225
				1108	0.0	0.50		1003	7.523	0.0252
				1124	0.4500	0.62		1022	12.686	0.0307
				1148	0.1750	0.69		1035	17.386	0.0363
				1200	0.7500	0.84		1048	23.004	0.0438
				1224	0.1500	0.90		1109	33.229	0.0606
				1235	0.3273	0.96		1128	43.743	0.0815
				1240	2.0400	1.13		1146	58.705	0.1078
				1300	0.2700	1.22		1159	68.997	0.1315
				1334	0.1588	1.31		1219	88.571	0.1765
				1347	0.9231	1.51		1233	104.801	0.2151
				1404	0.2824	1.59		1246	129.788	0.2587
				1439	0.0514	1.62		1253	140.754	0.2857
				1448	0.6667	1.75		1304	155.128	0.3322
				1454	1.9000	1.94		1323	165.143	0.4190
				1510	0.2250	2.00		1343	177.461	0.5168
				1539	0.0828	2.04		1357	185.441	0.5893
								1413	179.278	0.6726
								1418	173.574	0.6978
								1457	149.774	0.8778
								1537	151.059	1.0496
								1608	123.766	1.1712
								1637	90.059	1.2597
								1708	67.657	1.3295
								1738	51.059	1.3804
								1812	37.085	1.4231
								1836	30.473	1.4463
								1858	25.360	1.4638
								1936	19.975	1.4884
								2022	14.781	1.5112
								2116	11.039	1.5311
								2203	8.820	1.5444
								2253	7.199	1.5559
								2335	6.108	1.5638
								2400	5.489	1.5680
							4- 2	46	4.684	1.5747
								115	4.378	1.5784
								214	3.577	1.5851
								320	3.007	1.5913
								437	2.560	1.5974
								533	2.174	1.6012
								748	1.567	1.6084
								848	1.384	1.6110
								939	1.223	1.6129
								1014	1.212	1.6141
								1109	1.085	1.6159

Conversion Factor: CFS to IN/HR, multiply by 0.001713.



EVENT OF APRIL 1 - 2, 1979

RIESEL (WACO), TEXAS WATERSHED C

LOCATION: McLennan Co., Texas; 14 mi. ESE of Waco; Brazos River Basin. Lat. 31 deg. 30 min. 38 sec. N.; Long. 96 deg. 53 min. 22 sec. W.

AREA: 1110.00 acres 1.73 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) RIESEL (WACO), TEXAS WATERSHED D

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.38	3.20	5.64	1.25	2.72	3.08	0.62	2.27	1.65	1.80	5.14	2.91	32.66
1978	Q	0.0	0.050	2.719	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.005	0.129	2.906
	P	2.16	3.16	5.08	4.74	13.30	4.43	1.66	3.04	3.07	4.01	0.87	5.27	50.79
1979	Q	0.113	0.453	1.232	2.019	7.622	1.149	0.0	0.0	0.0	0.034	0.000	1.102	13.725
STA AV	P	2.02	2.71	2.51	4.00	4.09	3.25	1.85	2.43	3.32	3.28	2.92	2.42	34.79
	Q	0.474	0.668	0.733	1.108	1.134	0.593	0.234	0.167	0.304	0.548	0.465	0.574	7.002

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	0.706	3- 6	0.687	3- 6	1.250	3- 6	2.286	3- 6	2.672	3- 6	2.714	3- 6	2.719	3- 2	2.719
1979	5-11	1.701	5-11	1.546	5-10	2.754	5-10	4.049	5-10	4.216	5-10	4.375	5-10	4.419	5-10	4.425
MAXIMUMS FOR PERIOD OF RECORD																
	3-29 1965	2.110	3-29 1965	1.930	3-29 1965	3.150	3-29 1965	4.590	3-29 1965	4.880	3-29 1965	5.630	3-29 1965	5.690	4-19 1957	9.660

Watershed Conditions: 1978 - 71% pasture; 18% row grain sorghum; 6% fall planted oats; 2% gravel and paved roads; 3% other. Approximately 90% of other is Johnsongrass and weeds in conservation reserve, but neither tilled nor grazed.
1979 - 57% pasture; 14% row grain sorghum; 25% fall planted oats; 2% gravel and paved roads; 2% other. Approximately 90% of other is Johnsongrass and weeds in conservation reserve, but neither tilled nor grazed.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 42.4-6.
Precipitation: Records began Dec. 1937. Data from Thiessen weighted method using rain gages 5, 14, 20, and 26A.
Runoff: Records began Dec. 1937. Station not in operation July 1943 to March 1, 1949.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS WATERSHED D

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.03	0.0	0.0	0.34	0.0	0.24	0.33	0.0	0.0	0.0
2	0.06	0.0	0.0	0.0	0.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.07	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.21
4	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.39	0.0	0.0	0.0
5	0.0	0.0	0.0	0.17	0.0	0.0	0.0	1.18	0.0	0.05	0.95	0.0
6	0.0	0.09	5.33	0.0	0.0	1.84	0.0	0.0	0.0	0.0	0.01	0.02
7	0.0	0.17	0.0	0.0	0.0	0.61	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
10	0.0	0.0	0.0	0.69	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0
11	0.88	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.37	0.0	0.0	0.15	0.0	0.0	0.0	0.23	0.0	0.0	0.0
13	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.19	0.0
16	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.0
17	0.0	0.57	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.04	0.0
20	0.0	0.0	0.0	0.0	0.94	0.0	0.0	0.0 T	0.0	0.0	0.05	0.0
21	0.09	0.0	0.0	0.0	0.45	0.0	0.0	0.67	0.0	0.0	0.41	0.0
22	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0
23	0.0	0.0	0.11	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.99	0.0	0.0
26	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.76	0.69	0.0
27	0.0	0.06	0.0	0.0	0.0	0.0	0.45	0.0	0.07	0.0	0.0 T	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T
30	0.03		0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
31	0.28		0.0		0.0		0.0	0.18		0.0		2.59
TOTAL	2.38	3.20	5.64	1.25	2.72	3.08	0.62	2.27	1.65	1.80	5.14	2.91
STA AV	2.01	2.70	2.44	3.98	3.82	3.22	1.85	2.42	3.33	3.26	2.98	2.34

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiessen weighted average of rain gages 5, 14, 20, and 26A.
Station Averages: 34 yr beginning 1937 (part-year records not included). Station not in operation July 1943 to March 1949.

1979 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS WATERSHED D

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	2.26	0.70	1.24	0.0	0.20	0.0	0.0	0.0	0.0
2	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.20	0.13	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.09	0.57	0.0	0.0	0.0	0.74	0.0	0.0	0.0	0.0	0.0	0.0
6	0.03	0.51	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0
7	0.17	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.01	0.0	0.0	0.0	0.0
10	0.91	0.0	0.0	0.0	4.24	0.08	0.87	0.33	0.0	0.0	0.0	0.0
11	0.0	0.0	0.09	0.19	1.69	0.0	0.0	1.12	0.0	0.0	0.0	0.62
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	1.46	0.0	0.0
16	0.0	0.0	0.59	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0
17	0.04	0.14	0.0	0.79	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0
18	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.28	0.0	0.12	0.0
19	0.16	0.0	0.68	1.15	0.0	0.0	0.0	0.0	1.68	0.0	0.0	0.0
20	0.24	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.11	0.0	0.0	0.0
21	0.0	0.0	0.25	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.54	0.95
22	0.0	0.0	0.52	0.0	1.62	0.0	0.0	1.17	0.0	0.76	0.0	0.48
23	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.52
24	0.0	0.57	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.21	0.0
25	0.17	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0 T	0.0	0.0	0.0	0.0	2.31	0.12	0.0	0.0	0.0	0.0	0.0
27	0.0	0.35	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.51	0.0	0.0	0.0	0.0	0.0	0.0	1.03
29	0.16		0.0	0.35	2.05	0.0	0.02	0.0	0.0	0.0	0.0	0.07
30	0.06		0.61	0.0	0.30	0.0	0.0	0.0	0.0	1.79	0.0	0.0
31	0.0		0.37		0.0		0.0	0.0		0.0		0.0
TOTAL	2.16	3.16	5.08	4.74	13.30	4.43	1.66	3.04	3.07	4.01	0.87	5.27
STA AV	2.02	2.71	2.51	4.00	4.09	3.25	1.85	2.43	3.32	3.28	2.92	2.42

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiesser weighted average of rain gages 5, 14, 20, and 26A.
Station Averages: 35 yr beginning 1937 (part-year records not included). Station not in operation July 1943 to March 1949.

1978 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED D

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	95.709	0.0	0.0	0.105	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	31.001	0.0	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.104	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	2.093	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.136	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.246	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		6.017
MEAN	0.0	0.0832	4.0910	0.0	0.0	0.0037	0.0	0.0	0.0	0.0	0.0082	0.1941
INCHES	0.0	0.050	2.719	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.005	0.129
STA AV	0.484	0.674	0.719	1.081	0.943	0.577	0.241	0.172	0.313	0.563	0.479	0.559

Station Averages: 34 yr beginning 1937 (part-year records not included). Station not in operation July 1943 to March 1949.
Conversion Factor: CFS to IN/DAY, multiply by 0.021443.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED D

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.14	0.0	0.01	75.42	0.03	40.69	0.0	0.0	0.0	0.0	0.01	0.0
2	0.00	0.0	0.01	2.71	0.01	1.94	0.0	0.0	0.0	0.0	0.0	0.0
3	0.00	0.0	2.14	0.28	0.00	0.32	0.0	0.0	0.0	0.0	0.0	0.0
4	0.02	0.01	0.16	0.05	0.00	0.10	0.0	0.0	0.0	0.0	0.0	0.0
5	0.02	3.05	0.02	0.02	0.0 T	6.99	0.0	0.0	0.0	0.0	0.0	0.0
6	0.00	15.33	0.00	0.01	0.0	0.81	0.0	0.0	0.0	0.0	0.0	0.0
7	0.00	1.38	0.0 T	0.00	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.15	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.01	0.0	0.00	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0
10	1.34	0.01	0.0	0.0 T	6.56	0.00	0.0	0.0	0.0	0.0	0.0	0.0
11	3.61	0.00	0.0	0.00	197.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.10	0.00	0.0	0.0	1.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.02	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	6.78	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	13.78	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	2.42	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0 T	0.0	0.50	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.00	0.0	5.94	12.83	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.01	0.0	7.56	2.48	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	3.61	0.23	0.11	0.0	0.0	0.0	0.0	0.0	0.0	9.90
22	0.0	0.0	12.44	0.07	29.58	0.0	0.0	0.0	0.0	0.0	0.0	3.44
23	0.0	0.0	0.57	0.02	1.48	0.0	0.0	0.0	0.0	0.0	0.0	26.17
24	0.0	0.89	0.06	0.00	0.16	0.0	0.0	0.0	0.0	0.0	0.0	1.60
25	0.0	0.19	0.01	0.0 T	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.11
26	0.0	0.02	0.00	0.0	0.01	2.20	0.0	0.0	0.0	0.0	0.0	0.02
27	0.0	0.02	0.00	0.0	0.00	0.39	0.0	0.0	0.0	0.0	0.0	0.01
28	0.0	0.08	0.00	0.0	6.98	0.02	0.0	0.0	0.0	0.0	0.0	3.75
29	0.0		0.0 T	0.0	105.04	0.00	0.0	0.0	0.0	0.0	0.0	5.85
30	0.0		0.13	0.0	3.67	0.0	0.0	0.0	0.0	1.31	0.0	0.48
31	0.0		1.28		2.00		0.0	0.0		0.28		0.09
MEAN	0.170	0.755	1.853	3.138	11.466	1.786	0.0	0.0	0.0	0.051	0.000	1.658
INCHES	0.113	0.453	1.232	2.019	7.622	1.149	0.0	0.0	0.0	0.034	0.000	1.102
STA AV	0.474	0.668	0.733	1.108	1.134	0.593	0.234	0.167	0.304	0.548	0.465	0.574

Station Averages: 35 yr beginning 1937 (part-year records not included). Station not in operation July 1943 to March 1949.
Conversion Factor: CFS to IN/DAY, multiply by 0.021443.

1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS WATERSHED D

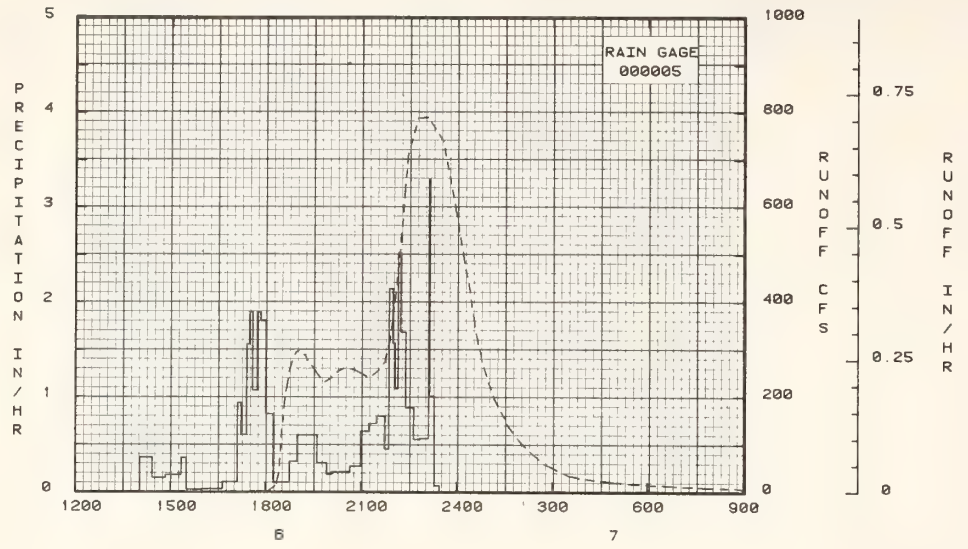
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978							
RG 000005				RG 000005						
3- 6	0.0	0.0	3- 6	1402	0.0	0.0	3- 6	1731	0.0	0.0
				1425	0.3652	0.14		1738	0.002	0.0
				1450	0.1440	0.20		1745	0.017	0.0
				1520	0.1800	0.29		1750	0.083	0.0
				1530	0.3600	0.35		1753	0.192	0.0000
WATERSHED CONDITIONS: 71% pasture; 18% row grain sorghum; 6% fall planted oats; 2% gravel and paved roads; 3% other. Approx. 90% of other is Johnson-grass and weeds in conser-vation reserve, neither tilled nor grazed.				1600	0.0200	0.36		1755	0.294	0.0000
				1639	0.0308	0.38		1759	0.502	0.0000
				1707	0.1071	0.43		1800	0.656	0.0000
				1714	0.9429	0.54		1805	1.273	0.0001
				1724	0.6000	0.64		1809	4.815	0.0003
				1729	1.5600	0.77		1812	7.141	0.0006
				1735	1.9000	0.96		1817	12.120	0.0013
				1744	1.0667	1.12		1821	17.182	0.0022
				1750	1.9000	1.31		1825	39.828	0.0039
				1800	1.8000	1.61		1827	70.331	0.0055
				1814	0.8143	1.80		1830	116.536	0.0097
				1845	0.0968	1.85		1836	197.777	0.0237
				1900	0.3200	1.93		1842	239.223	0.0432
				1937	0.6000	2.30		1844	255.618	0.0506
				1955	0.3000	2.39		1850	275.450	0.0743
				2005	0.1800	2.42		1857	294.802	0.1040
				2039	0.2118	2.54		1904	300.394	0.1351
				2059	0.2700	2.63		1913	288.503	0.1745
				2114	0.6400	2.79		1919	276.584	0.1998
				2129	0.7200	2.97		1931	257.768	0.2475
				2144	0.8000	3.17		1942	240.246	0.2883
				2152	0.4500	3.23		1951	231.488	0.3199
				2159	2.1429	3.48		2004	242.301	0.3658
				2204	1.5600	3.61		2016	255.618	0.4102
				2209	1.0800	3.70		2026	260.656	0.4487

Conversion Factor: CFS to IN/HR, multiply by 0.000893.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED 1

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2214	2.5200	3.91	3- 6	2047	256.691	0.5296
				2224	1.6800	4.19		2110	242.301	0.6150
				2239	0.8800	4.41		2121	246.450	0.6551
				2251	0.5500	4.52		2133	257.050	0.7000
				2307	0.5625	4.67		2145	275.830	0.7477
				2309	3.3000	4.78		2155	327.377	0.7926
				2318	1.0000	4.93		2205	421.590	0.8483
				2328	0.0600	4.94		2214	530.604	0.9121
								2221	633.594	0.9728
								2227	714.969	1.0331
								2246	788.964	1.2458
								2303	790.594	1.4457
								2333	738.761	1.7873
								2400	579.125	2.0523
							3- 7	12	496.656	2.1484
								25	419.018	2.2370
								34	347.519	2.2884
								40	310.982	2.3178
								45	288.503	2.3401
								47	275.450	2.3485
								56	243.679	2.3833
								111	194.592	2.4323
								138	135.766	2.4987
								200	103.069	2.5378
								224	77.028	2.5700
								245	57.744	2.5911
								309	44.085	2.6093
								331	32.924	2.6219
								351	28.404	2.6310
								419	23.905	2.6419
								444	21.078	2.6503
								510	18.415	2.6579
								530	16.611	2.6631
								601	14.389	2.6703
								640	11.949	2.6779
								710	10.372	2.6829
								750	8.551	2.6886
								856	6.367	2.6959
								1013	3.456	2.7015
								1137	2.640	2.7053
								1317	1.924	2.7087
								1425	1.519	2.7105
								1711	0.942	2.7135
								1912	0.676	2.7150
								2133	0.466	2.7162
								2400	0.329	2.7171

Conversion Factor: CFS to IN/HR, multiply by 0.000893.



EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED D

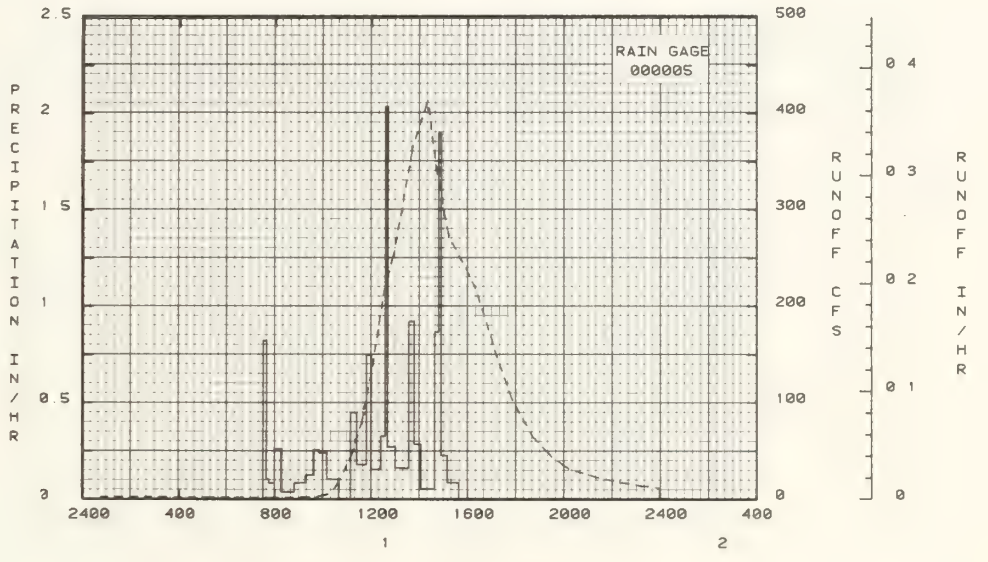
1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED D

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
RG 000005			RG 000005							
4- 1	0.0	0.002	4- 1	135	0.0	0.0	4- 1	43	2.596	0.0
				200	0.0	0.0		120	2.479	0.0014
				730	0.0	0.0		329	1.864	0.0056
				738	0.8250	0.11		528	1.504	0.0085
				744	0.1000	0.12		700	1.286	0.0105
WATERSHED CONDITIONS:										
57% pasture; 14% row grain				759	0.0800	0.14		808	1.299	0.0118
sorghum; 25% fall planted				815	0.2625	0.21		908	1.839	0.0132
oats; 2% gravel and paved				848	0.0364	0.23		947	2.855	0.0145
roads; 2% other. Approx.				916	0.0857	0.27		1013	5.371	0.0161
90% of other is Johnson-				935	0.1263	0.31		1030	12.642	0.0184
grass and weeds in conser-										
vation reserve, neither				949	0.2571	0.37		1043	21.549	0.0217
tilled nor grazed.				1009	0.2400	0.45		1109	44.930	0.0346
				1039	0.1000	0.50		1135	78.923	0.0586
				1108	0.0	0.50		1200	130.807	0.0976
				1124	0.4500	0.62		1231	215.195	0.1775
				1148	0.1750	0.69		1250	246.798	0.2428
				1200	0.7500	0.84		1257	257.408	0.2691
				1224	0.1500	0.90		1343	367.155	0.4830
				1235	0.3273	0.96		1420	413.399	0.6980
				1240	2.0400	1.13		1442	344.396	0.8222
				1300	0.2700	1.22		1501	297.187	0.9129
				1334	0.1588	1.31		1514	272.071	0.9680
				1347	0.9231	1.51		1620	218.648	1.2092
				1404	0.2824	1.59		1714	146.768	1.3561
				1439	0.0514	1.62		1752	102.123	1.4265
				1448	0.8667	1.75		1842	64.436	1.4885
				1454	1.9000	1.94		1930	43.489	1.5271
				1510	0.2250	2.00		2012	31.084	1.5504
				1539	0.0828	2.04		2127	21.654	1.5799
								2225	16.655	1.5964

Conversion Factor: CFS to IN/HR, multiply by 0.000893.

1979 SELECTED RUNOFF EVENT										RIESEL (WACC), TEXAS WATERSHED D		
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF					
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)		
			EVENT OF APRIL 1, 1979 (CONTINUED)									
							4- 1	2313	13.365	1.6071		
								2400	10.805	1.6156		

Conversion Factor: CFS to IN/HR, multiply by 0.000893.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS WATERSHED D

LOCATION: McLennan and Falls Counties, Texas; 16 mi. S.E. of Waco; Brazos River Basin. Lat. 31 deg. 28 min. 59 sec. N.; Long. 96 deg. 52 min. 06 sec. W.

AREA: 4380.00 acres 6.84 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) RIESEL (WACO), TEXAS WATERSHED G

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.74	3.13	5.40	1.17	2.88	4.32	0.29	2.33	1.93	1.80	4.76	2.78	33.53
1978	Q	0.005	0.042	1.014	0.0	0.0	0.273	0.0	0.0	0.0	0.0	0.0	0.041	1.375
	P	2.17	2.91	4.85	5.02	12.65	4.71	1.54	3.09	2.78	3.46	0.76	4.97	48.91
1979	Q	0.106	0.340	0.868	2.461	5.929	1.338	0.002	0.0	0.000	0.006	0.000	0.537	11.586
STA AV	P	2.16	2.74	2.54	3.80	3.86	3.83	2.05	2.67	3.47	3.42	2.92	2.61	36.07
	Q	0.640	0.754	0.719	0.846	0.885	0.872	0.247	0.131	0.304	0.448	0.495	0.591	6.933

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	0.179	3- 6	0.175	3- 6	0.337	3- 6	0.732	3- 6	0.935	3- 6	0.999	3- 6	1.012	3- 6	1.014
1979	5-11	0.668	5-11	0.648	5-11	1.231	5-11	2.507	5-10	2.813	5-10	2.972	5-10	3.029	5-28	3.270
MAXIMUMS FOR PERIOD OF RECORD																
	3-29 1965	0.950	3-29 1965	0.910	3-29 1965	1.720	3-29 1965	3.390	3-29 1965	3.940	3-29 1965	4.030	3-29 1965	4.740	11-22 1940	4.820

Watershed Conditions: 1978 - 46% pasture; 5% cotton; 3% corn; 20% fall planted small grain, largely oats; 22% sorghum; 2% gravel and paved roads; 2% other. Approximately 90% of other is Johnsongrass and weeds in conservation reserve, but neither tilled nor grazed.
1979 - 40% pasture; 1% cotton; 1% corn; 31% fall planted small grain, largely oats; 21% sorghum; 2% gravel and paved roads; 4% other. Approximately 90% of other is Johnsongrass and weeds in conservation reserve, but neither tilled nor grazed.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 42.4-6.
Precipitation: Records began Jan. 1938. Data from Thiessen weighted method using rain gages 5, 14, 20, 26A, 30A, 43A, 48A, 56A, 65A, 70, 74A, 84A, and 89.
Runoff: Records began 1938. Station not in operation July 1943 to July 1, 1957. Part-year records not included in averages.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS WATERSHED G

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.01	0.0	0.0	0.23	0.0	0.33	0.47	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	0.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.04	0.0	0.0	0.62	0.0	0.0	0.0	0.0	0.0	0.21
4	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.50	0.0	0.0	0.0
5	0.0	0.0	0.0	0.12	0.0	0.0	0.0	1.06	0.0	0.07	0.93	0.0
6	0.0	0.10	5.10	0.0	0.0	2.86	0.0	0.0	0.0	0.0	0.02	0.02
7	0.0	0.18	0.0	0.0	0.0	0.55	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.37	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0
10	0.0	0.0	0.0	0.73	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0
11	1.01	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.31	0.0	0.0	0.27	0.0	0.0	0.0	0.24	0.0	0.0	0.0
13	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.16	0.0
16	0.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.0
17	0.0	0.54	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	1.70	0.0
20	0.0	0.0	0.0	0.0	0.94	0.0	0.0	0.03	0.0	0.0	0.04	0.0
21	0.08	0.0	0.0	0.0	0.53	0.0	0.0	0.37	0.0	0.0	0.36	0.0
22	0.0	0.0	0.0	0.06	0.0 T	0.0	0.0	0.0	0.0	0.0	0.08	0.0
23	0.0 T	0.0	0.12	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	1.50	0.0	0.0
26	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.23	0.72	0.0
27	0.0	0.05	0.0	0.0	0.0	0.0	0.18	0.0	0.09	0.0	0.03	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
30	0.02		0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
31	0.29		0.0		0.0		0.0	0.54		0.0		2.36
TOTAL	2.74	3.13	5.40	1.17	2.88	4.32	0.29	2.33	1.93	1.80	4.76	2.78
STA AV	2.16	2.74	2.45	3.76	3.52	3.79	2.07	2.66	3.50	3.42	3.00	2.52

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiesser weighted average of rain gages 5, 14, 20, 26A, 30A, 43A, 48A, 56A, 65A, 70, 74A, 84A, and 89.
Station Averages: 26 yr beginning Jan. 1938 (part-year records not included). Station not in operation July 1943 to July 1, 1957.

1979	DAILY PRECIPITATION (INCHES)						RIESEL (WACO), TEXAS WATERSHED G					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0 T	2.58	0.75	1.05	0.0	0.16	0.0	0.0	0.0	0.0
2	0.0	0.0	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.20	0.11	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
5	0.09	0.51	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0
6	0.04	0.45	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0
7	0.17	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
10	0.89	0.0	0.0	0.0	3.27	0.19	0.82	0.43	0.0	0.0	0.0	0.0
11	0.02	0.0	0.08	0.18	2.08	0.0	0.0	1.24	0.0	0.0	0.0	0.81
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.38	0.0	0.0	0.0	0.0	0.0	0.0	1.05	0.0	0.0
16	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
17	0.01	0.05	0.0	0.70	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
18	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23	0.0	0.15	0.0
19	0.11	0.0	0.68	1.21	0.0	0.0	0.0	0.0	1.42	0.0	0.0	0.0
20	0.23	0.0	0.01	0.0	0.0	0.0	0.10	0.0	0.12	0.0	0.0	0.0
21	0.0	0.0	0.33	0.0	0.92	0.0	0.0	0.0	0.0	0.0	0.41	0.75
22	0.0	0.0	0.54	0.0 T	1.40	0.0	0.0	1.07	0.0	0.71	0.0	0.53
23	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.31
24	0.0	0.59	0.0	0.0	0.0	0.31	0.0	0.04	0.0	0.0	0.20	0.0
25	0.16	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
26	0.01	0.0	0.0	0.0	0.0	2.28	0.12	0.0	0.0	0.0	0.0	0.0
27	0.0	0.25	0.0	0.0	0.0	0.04	0.11	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.53	0.0	0.0	0.0	0.0	0.0	0.0	0.93
29	0.17		0.0	0.33	2.01	0.0	0.01	0.0	0.0	0.0	0.0	0.07
30	0.10		0.46	0.0	0.50	0.0	0.0	0.0	0.0	1.70	0.0	0.0
31	0.0		0.42		0.0		0.0	0.0		0.0		0.0
TOTAL	2.17	2.91	4.85	5.02	12.65	4.71	1.54	3.09	2.78	3.46	0.76	4.97
STA AV	2.16	2.74	2.54	3.80	3.86	3.83	2.05	2.67	3.47	3.42	2.92	2.61

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiesser weighted average of rain gages 5, 14, 20, 26A, 30A, 43A, 48A, 56A, 65A, 70, 74A, 84A, and 89.
Station Averages: 27 yr beginning Jan. 1938 (part-year records not included). Station not in operation July 1943 to July 1, 1957.

1978	MEAN DAILY DISCHARGE (CFS)						RIESEL (WACO), TEXAS WATERSHED G					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	64.50	0.0	0.0	36.55	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	120.73	0.0	0.0	7.78	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	1.17	0.0	0.0	5.77	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.17	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.06	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.01	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	5.68	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	1.44	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		7.51
MEAN	0.0292	0.2748	6.0212	0.0	0.0	1.6754	0.0	0.0	0.0	0.0	0.0	0.2421
INCHES	0.005	0.042	1.014	0.0	0.0	0.273	0.0	0.0	0.0	0.0	0.0	0.041
STA AV	0.661	0.770	0.713	0.784	0.691	0.854	0.257	0.137	0.315	0.465	0.514	0.593

Station Averages: 26 yr period beginning Jan. 1938 (part-year records not included). Station not in operation July 1943 to July 1, 1957.
Conversion Factor: CFS to IN/DAY, multiply by 0.005434.

1979	MEAN DAILY DISCHARGE (CFS)						RIESEL (WACO), TEXAS WATERSHED G					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.86	0.0	0.12	372.47	1.98	120.29	0.0	0.0	0.0	0.0	0.03	0.0
2	0.03	0.0	0.03	14.65	0.51	9.46	0.0	0.0	0.0	0.0	0.0	0.0
3	0.00	0.0	3.11	2.50	0.18	1.87	0.0	0.0	0.0	0.0	0.0	0.0
4	0.15	0.11	0.77	1.21	0.23	0.62	0.0	0.0	0.0	0.0	0.0	0.0
5	0.76	11.52	0.12	0.47	0.07	47.86	0.0	0.0	0.0	0.0	0.0	0.0
6	0.43	38.38	0.02	0.25	0.02	4.90	0.0	0.0	0.0	0.0	0.0	0.0
7	0.22	6.44	0.00	0.18	0.01	0.98	0.0	0.0	0.0	0.0	0.0	0.0
8	0.05	1.00	0.0	0.23	0.0 T	0.31	0.0	0.0	0.0	0.0	0.0	0.0
9	0.00	0.18	0.0	0.12	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0
10	3.32	0.05	0.0	0.10	0.74	0.25	0.40	0.0	0.0	0.0	0.0	0.0
11	12.16	0.02	0.0	0.11	546.65	0.05	0.0 T	0.0	0.0	0.0	0.0	0.0
12	0.61	0.01	0.0	0.01	10.06	0.01	0.0	0.0	0.0	0.0	0.0	0.02
13	0.07	0.00	0.0	0.0 T	1.21	0.0 T	0.0	0.0	0.0	0.0	0.0	0.14
14	0.00	0.00	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.02
15	0.0	0.0 T	3.06	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.00
16	0.0	0.0	27.04	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0 T	10.34	0.13	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	2.48	0.19	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.06	0.0	9.03	41.74	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.63	0.0	28.70	15.81	0.03	0.0	0.0	0.0	0.00	0.0	0.0	0.0
21	0.05	0.0	21.46	1.52	0.39	0.0	0.0	0.0	0.00	0.0	0.0	0.00
22	0.00	0.00	48.29	0.57	88.88	0.0	0.0	0.0	0.0	0.0	0.0	9.72
23	0.0	0.02	3.13	0.25	10.34	0.0	0.0	0.0	0.0	0.0	0.0	52.29
24	0.0	3.16	0.55	0.13	1.10	0.0	0.0	0.0	0.0	0.0	0.0	8.19
25	0.0	1.19	0.21	0.06	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.62
26	0.0	0.15	0.11	0.03	0.10	55.60	0.0	0.0	0.0	0.0	0.0	0.11
27	0.0	0.03	0.07	0.00	0.07	3.49	0.0	0.0	0.0	0.0	0.0	0.03
28	0.0	0.27	0.07	0.00	18.70	0.32	0.0	0.0	0.0	0.0	0.0	4.94
29	0.0		0.07	0.04	333.91	0.04	0.0	0.0	0.0	0.0	0.0	19.62
30	0.0		0.27	0.02	62.48	0.00	0.0	0.0	0.0	0.27	0.0	2.54
31	0.0		0.72		12.39		0.0	0.0		0.81		0.57
MEAN	0.626	2.233	5.154	15.093	35.194	8.206	0.013	0.0	0.000	0.035	0.001	3.187
INCHES	0.106	0.340	0.868	2.461	5.929	1.338	0.002	0.0	0.000	0.006	0.000	0.537
STA AV	0.640	0.754	0.719	0.846	0.885	0.872	0.247	0.131	0.304	0.448	0.495	0.591

Station Averages: 27 yr period beginning Jan. 1938 (part-year records not included). Station not in operation July 1943 to July 1, 1957.
Conversion Factor: CFS to IN/DAY, multiply by 0.005434.

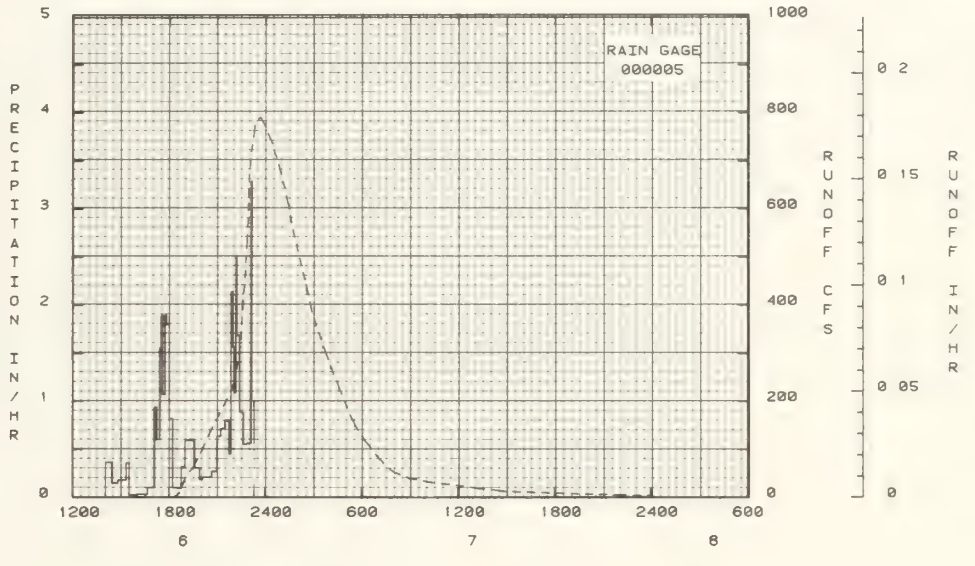
1978	SELECTED RUNOFF EVENT							RIESEL (WACO), TEXAS WATERSHED G			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)	
EVENT OF MARCH 6 - 7, 1978											
RG 000005				RG 000005							
3- 6	0.0	0.0	3- 6	1402	0.0	0.0	3- 6	1716	0.0	0.0	
				1425	0.3652	0.14		1801	0.004	0.0	
				1450	0.1440	0.20		1818	0.206	0.0000	
				1520	0.1800	0.29		1840	9.965	0.0004	
				1530	0.3600	0.35		1846	17.900	0.0007	
WATERSHED CONDITIONS:											
46% pasture; 5% cotton;				1600	0.0200	0.36		1900	41.232	0.0023	
3% corn; 20% fall planted				1639	0.0308	0.38		1929	61.947	0.0080	
oats; 22% sorghum; 2% gravel				1707	0.1071	0.43		1946	79.613	0.0125	
and paved roads; 2% other.				1714	0.9429	0.54		2003	98.889	0.0182	
Approx. 90% of other is John-				1724	0.6000	0.64		2014	112.784	0.0226	
songrass and weeds in conser-											
vation reserve, neither				1729	1.5600	0.77		2043	146.441	0.0368	
tilled nor grazed.				1735	1.9000	0.96		2111	176.855	0.0539	
				1744	1.0667	1.12		2138	205.645	0.0734	
				1750	1.9000	1.31		2158	227.902	0.0897	
				1800	1.8000	1.61		2208	253.291	0.0988	
				1814	0.8143	1.80		2223	299.979	0.1145	
				1845	0.0968	1.85		2229	330.178	0.1216	
				1900	0.3200	1.93		2237	410.896	0.1328	
				1937	0.6000	2.30		2242	442.742	0.1408	
				1955	0.3000	2.39		2253	546.781	0.1614	
				2005	0.1800	2.42		2255	582.047	0.1656	
				2039	0.2118	2.54		2300	672.750	0.1775	
				2059	0.2700	2.63		2305	704.927	0.1905	
				2114	0.6400	2.79		2320	775.503	0.2324	
				2129	0.7200	2.97		2340	791.444	0.2915	
				2144	0.8000	3.17		2400	771.579	0.3505	
				2152	0.4500	3.23	3- 7	25	735.694	0.4216	
				2159	2.1429	3.48		52	686.137	0.4940	
				2204	1.5600	3.61		112	642.485	0.5442	
				2209	1.0800	3.70		128	600.199	0.5817	

Conversion Factor: CFS to IN/HR, multiply by 0.00022642.

1978 SELECTED RUNOFF EVENT — RIESEL (WACC), TEXAS WATERSHED G

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2214	2.5200	3.91	3- 7	149	540.761	0.6269
				2224	1.6800	4.19		208	496.449	0.6641
				2239	0.8800	4.41		240	420.735	0.7195
				2251	0.5500	4.52		254	385.591	0.7408
				2307	0.5625	4.67		327	328.148	0.7852
				2309	3.3000	4.76		354	287.070	0.8165
				2318	1.0000	4.93		405	269.665	0.8281
								435	227.983	0.8563
								456	198.824	0.8732
								523	162.547	0.8916
								546	139.042	0.9047
								608	120.206	0.9154
								635	100.530	0.9267
								706	79.564	0.9372
								722	69.200	0.9417
								759	52.792	0.9502
								858	38.562	0.9604
								1006	31.482	0.9694
								1311	18.285	0.9868
								1458	11.436	0.9928
								2200	3.903	1.0050
								2400	3.039	1.0065

Conversion Factor: CFS to IN/HR, multiply by 0.00022642.



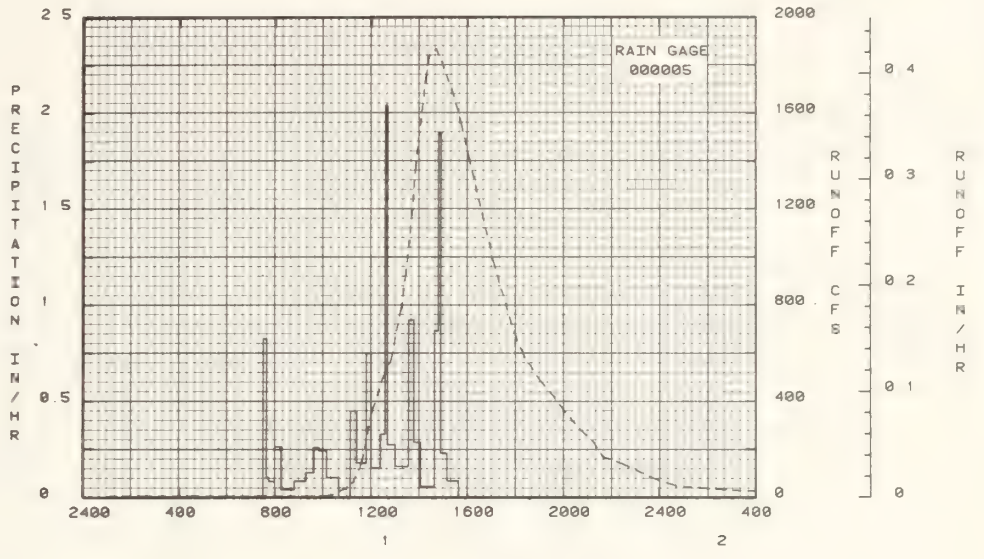
EVENT OF MARCH 6 - 7, 1978

RIESEL (WACC), TEXAS WATERSHED G

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED G

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1 - 2, 1979							
RG 000005			RG 000005							
4- 1	0.0	0.001	4- 1	135	0.0	0.0	4- 1	103	6.017	0.0
				200	0.0	0.0		250	5.595	0.0023
				730	0.0	0.0		431	4.919	0.0043
				738	0.8250	0.11		558	4.289	0.0058
				744	0.1000	0.12		737	3.861	0.0074
WATERSHED CONDITIONS:										
40% pasture; 1% cotton;				759	0.0800	0.14		916	3.478	0.0087
1% corn; 31% fall planted				815	0.2625	0.21		1007	5.448	0.0096
oats; 21% sorghum; 2% gravel				848	0.0364	0.23		1024	12.345	0.0102
and paved roads; 4% other.				916	0.0857	0.27		1100	41.161	0.0138
Apprcx. 90% of other is John-				935	0.1263	0.31		1113	58.000	0.0162
songrass and weeds in conser-										
vation reserve, neither				949	0.2571	0.37		1132	125.000	0.0228
tilled nor grazed.				1009	0.2400	0.45		1140	177.000	0.0273
				1039	0.1000	0.50		1201	352.000	0.0483
				1108	0.0	0.50		1209	351.999	0.0595
				1124	0.4500	0.62		1229	496.999	0.0931
				1148	0.1750	0.69		1250	575.000	0.1356
				1200	0.7500	0.84		1314	780.000	0.1969
				1224	0.1500	0.90		1328	950.000	0.2426
				1235	0.3273	0.96		1343	1200.000	0.3035
				1240	2.0400	1.13		1352	1400.000	0.3476
				1300	0.2700	1.22		1416	1750.000	0.4903
				1334	0.1588	1.31		1425	1845.000	0.5513
				1347	0.9231	1.51		1442	1870.000	0.6705
				1404	0.2824	1.59		1522	1695.000	0.9396
				1439	0.0514	1.62		1545	1555.000	1.0806
				1448	0.8667	1.75		1608	1385.000	1.2082
				1454	1.9000	1.94		1637	1180.000	1.3485
				1510	0.2250	2.00		1650	1090.000	1.4042
				1539	0.0828	2.04		1705	980.000	1.4628
								1746	745.000	1.5963
								1805	649.000	1.6462
								1824	580.000	1.6903
								1901	485.000	1.7646
								1914	460.000	1.7878
								1940	408.000	1.8304
								2005	350.000	1.8662
								2045	275.000	1.9133
								2114	230.000	1.9410
								2139	165.000	1.9596
								2229	137.000	1.9881
								2303	110.000	2.0039
								2318	97.000	2.0098
								2337	83.000	2.0162
								2400	67.000	2.0227
							4- 2	43	44.747	2.0318
								204	34.384	2.0439
								247	29.800	2.0491
								422	23.026	2.0586
								630	18.447	2.0686
								907	13.591	2.0781
								1215	9.572	2.0863
								1555	6.672	2.0931
								2017	4.818	2.0987
								2400	3.846	2.1024

Conversion Factor: CFS to IN/HR, multiply by 0.00022642.



EVENT CP APRIL 1 - 2, 1979

RIESEL (WACO), TEXAS WATERSHED G

LOCATION: Falls Co., Texas; 19 mi. SE of Waco; Brazos River Basin. Lat. 31 deg. 27 min. 27 sec. N.; Long. 96 deg. 52 min. 48 sec. W.

AREA: 174.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED W-1

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.93	3.28	5.21	1.24	2.53	6.09	0.42	1.47	2.11	1.94	4.71	2.52	34.45
1978	Q	0.0	0.102	3.119	0.000	0.0	0.711	0.0	0.0	0.0	0.0	0.0	0.122	4.054
	P	2.13	2.55	4.71	5.51	12.43	5.16	1.52	2.96	2.66	3.18	0.86	4.72	48.39
1979	Q	0.139	0.502	1.167	3.049	6.752	1.357	0.021	0.015	0.004	0.003	0.001	0.763	13.773
STA AV	P	2.23	2.63	2.66	4.03	4.33	3.38	1.83	2.16	2.84	2.98	2.93	2.56	34.56
	Q	0.503	0.652	0.809	1.089	1.351	0.652	0.158	0.082	0.216	0.332	0.413	0.526	6.783

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	1.820	3- 6	1.426	3- 6	2.021	3- 6	2.917	3- 6	3.089	3- 6	3.115	3- 6	3.119	3- 6	3.119
1979	5-11	2.295	5-11	1.724	5-11	2.483	5-10	3.186	5-10	3.261	5-10	3.436	5-10	3.468	5-28	3.478
MAXIMUMS FOR PERIOD OF RECORD																
	5- 1 1944	4.510	5- 1 1944	2.990	5- 1 1944	5.570	5- 1 1944	6.910	5- 1 1944	6.920	5- 1 1944	7.050	4-30 1944	9.200	4-29 1944	11.060

Watershed Conditions: 12% sorghum; 86% pasture; 2% roads.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1963, USDA Misc. Pub. 1164, p. 42.6-6 (revised).
Precipitation: Records began July 1937. Data from Thiessen weighted method using rain gages 75A, 89, W-2, W-2A, and W-5A.
Runoff: Records began July 1937. Part-year records not included in station averages.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS WATERSHED W-1

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.52	0.76	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.67	0.0	0.0	0.0	0.0	0.0	0.16
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
5	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.61	0.01	0.07	1.05	0.0
6	0.0	0.10	4.91	0.0	0.0	4.54	0.0	0.0	0.0	0.0	0.0	0.02
7	0.0	0.19	0.0	0.0	0.0	0.69	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0
10	0.0	0.0	0.0	0.81	0.0	0.0	0.0	0.0	0.27	0.0	0.0	0.0
11	1.06	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.38	0.0	0.0	0.22	0.0	0.0	0.0	0.23	0.0	0.0	0.0
13	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
16	1.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	0.0
17	0.0	0.60	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.19	0.0
20	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.04	0.0
21	0.06	0.0	0.0	0.0	0.51	0.0	0.0	0.04	0.0	0.0	0.46	0.0
22	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0
23	0.0	0.0	0.15	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.81	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.98	0.0
27	0.0	0.05	0.0	0.0	0.0	0.0	0.17	0.0	0.10	0.0	0.04	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
31	0.29		0.0		0.0		0.0	0.30		0.0		2.18
TOTAL	2.93	3.28	5.21	1.24	2.53	6.09	0.42	1.47	2.11	1.94	4.71	2.52
STA AV	2.23	2.64	2.61	3.99	4.13	3.34	1.83	2.14	2.84	2.97	2.98	2.51

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiessen weighted average of rain gages 75A, 89, W-2, W-2A, and W-5A.
Station Averages: 41 yr beginning 1937 (part-year records not included).

1979 DAILY PRECIPITATION (INCHES) BIESEL (WACO), TEXAS WATERSHED W-1

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.62	0.83	0.77	0.0	0.37	0.0	0.0	0.0	0.0
2	0.0	0.0	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.14	0.13	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0
5	0.08	0.45	0.0	0.0	0.0	0.99	0.0	0.0	0.0	0.0	0.0	0.0
6	0.03	0.49	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0
7	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.83	0.0	0.0	0.0	2.42	0.13	0.71	0.29	0.0	0.0	0.0	0.0
11	0.10	0.0	0.10	0.17	2.38	0.0	0.0	1.96	0.0	0.0	0.0	0.74
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.20	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.0	0.0
16	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0 T	0.0	0.55	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0
18	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23	0.0	0.26	0.0
19	0.10	0.0	0.97	0.70	0.0	0.0	0.0	0.0	1.28	0.0	0.0	0.0
20	0.24	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.10	0.0	0.05	0.0
21	0.0	0.0	0.43	0.0	0.87	0.0	0.0	0.0	0.0	0.0	0.35	0.67
22	0.0	0.0 T	0.53	0.0	1.47	0.0	0.0	0.31	0.0	0.76	0.0	0.59
23	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.20
24	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.20	0.0
25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.01	0.0	0.0	0.0	0.0	3.27	0.09	0.0	0.0	0.0	0.0	0.0
27	0.0	0.15	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.42	0.0	0.0	0.0	0.0	0.0	0.0	0.89
29	0.13		0.0	0.47	1.97	0.0	0.0	0.0	0.0	0.0	0.0	0.02
30	0.14		0.35	0.0	0.86	0.0	0.0	0.0	0.0	1.65	0.0	0.0
31	0.0		0.21		0.0		0.0	0.0		0.0		0.0
TOTAL	2.13	2.55	4.71	5.51	12.43	5.16	1.52	2.96	2.66	3.18	0.86	4.72
STA AV	2.23	2.63	2.66	4.03	4.33	3.38	1.83	2.16	2.84	2.98	2.93	2.56

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiessen weighted average of rain gages 75A, 89, W-2, W-2A, and W-5A.
Station Averages: 42 yr beginning 1937 (part-year records not included).

1978 MEAN DAILY DISCHARGE (CFS) BIESEL (WACO), TEXAS WATERSHED W-1

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	20.632	0.0	0.0	4.457	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	2.157	0.0	0.0	0.237	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.010	0.0	0.0	0.502	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.002	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0 T	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.709	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.009	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.890
MEAN	0.0	0.0266	0.7355	0.0	0.0	0.1732	0.0	0.0	0.0	0.0	0.0	0.0287
INCHES	0.0	0.102	3.119	0.000	0.0	0.711	0.0	0.0	0.0	0.0	0.0	0.122
STA AV	0.512	0.655	0.800	1.041	1.220	0.635	0.161	0.084	0.221	0.340	0.423	0.520

Station Averages: 41 yr beginning 1937 (part-year records not included).
Conversion Factor: CFS to IN/DAY, multiply by 0.136792.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED W-1

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.020	0.0	0.001	21.522	0.457	3.029	0.002	0.007	0.0 T	0.0	0.0	0.0
2	0.0	0.002	0.004	0.302	0.043	0.194	0.002	0.004	0.0	0.0	0.0	0.0
3	0.0	0.001	0.044	0.035	0.018	0.040	0.002	0.003	0.0 T	0.0	0.0	0.0
4	0.0	0.074	0.003	0.016	0.023	0.018	0.002	0.002	0.0 T	0.0	0.0	0.0
5	0.0	0.887	0.002	0.007	0.009	2.894	0.003	0.001	0.0 T	0.0	0.0	0.0
6	0.0	2.404	0.001	0.004	0.006	0.088	0.005	0.001	0.0 T	0.0	0.0	0.0
7	0.0	0.138	0.001	0.005	0.004	0.020	0.006	0.001	0.0	0.0	0.0	0.0
8	0.0	0.015	0.001	0.009	0.003	0.013	0.004	0.0 T	0.0	0.0	0.0	0.0
9	0.0	0.003	0.001	0.005	0.003	0.009	0.004	0.0 T	0.0	0.0	0.0	0.0
10	0.380	0.002	0.002	0.006	0.067	0.009	0.029	0.0 T	0.0	0.0	0.0	0.0
11	0.601	0.002	0.002	0.009	25.073	0.006	0.004	0.040	0.0	0.0	0.0	0.007
12	0.011	0.002	0.001	0.004	0.221	0.004	0.003	0.004	0.0	0.0	0.0	0.011
13	0.001	0.002	0.001	0.002	0.014	0.004	0.003	0.002	0.0	0.0	0.0	0.001
14	0.0	0.003	0.0 T	0.003	0.007	0.004	0.004	0.002	0.0	0.0	0.0	0.001
15	0.0	0.002	0.405	0.002	0.006	0.003	0.004	0.002	0.0	0.0	0.0	0.001
16	0.0	0.0 T	1.238	0.002	0.005	0.002	0.003	0.002	0.0	0.0	0.0	0.0 T
17	0.0	0.002	0.240	0.013	0.005	0.002	0.011	0.004	0.0	0.0	0.0	0.0
18	0.0	0.003	0.034	0.014	0.005	0.002	0.009	0.004	0.006	0.0	0.0	0.0
19	0.0	0.003	2.167	0.205	0.004	0.001	0.006	0.003	0.018	0.0	0.0 T	0.0
20	0.0	0.003	0.877	0.060	0.004	0.001	0.008	0.002	0.005	0.0	0.0 T	0.0
21	0.0	0.003	1.401	0.013	0.069	0.001	0.006	0.001	0.001	0.0	0.003	0.006
22	0.0	0.003	2.021	0.010	3.705	0.001	0.003	0.003	0.0 T	0.0	0.0	1.187
23	0.0	0.003	0.037	0.007	0.150	0.001	0.002	0.003	0.0 T	0.0	0.0	3.055
24	0.0	0.095	0.005	0.005	0.014	0.001	0.002	0.004	0.0	0.0	0.001	0.112
25	0.0	0.010	0.004	0.003	0.008	0.001	0.002	0.003	0.0	0.0	0.003	0.006
26	0.0	0.001	0.002	0.002	0.007	3.483	0.005	0.003	0.0	0.0	0.0 T	0.002
27	0.0	0.002	0.002	0.003	0.008	0.070	0.009	0.003	0.0 T	0.0	0.0	0.002
28	0.0	0.001	0.003	0.002	0.594	0.008	0.006	0.002	0.0 T	0.0	0.0	0.622
29	0.0		0.003	0.013	13.809	0.005	0.003	0.001	0.0	0.0	0.0	0.530
30	0.0		0.012	0.006	4.600	0.004	0.002	0.001	0.0	0.020	0.0	0.027
31	0.0		0.016		0.380		0.001	0.001		0.0 T		0.006
MEAN	0.0327	0.1310	0.2752	0.7431	1.5923	0.3306	0.0050	0.0035	0.0011	0.0007	0.0002	0.1758
INCHES	0.139	0.502	1.167	3.049	6.752	1.357	0.021	0.015	0.004	0.003	0.001	0.763
STA AV	0.503	0.652	0.809	1.089	1.351	0.652	0.158	0.082	0.216	0.332	0.413	0.526

Station Averages: 42 yr beginning 1937 (part-year records not included).
Conversion Factor: CFS to IN/DAY, multiply by 0.136792.

1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS WATERSHED W-1

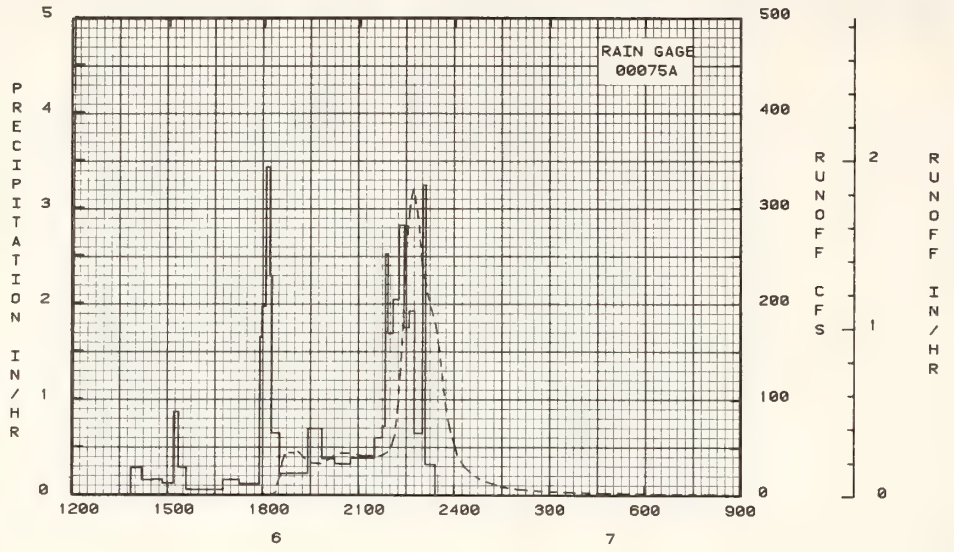
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF MARCH 6 - 7, 1978										
RG 00075A				RG 00075A						
3- 6	0.0	0.000	3- 6	1350	0.0	0.0	3- 6	1817	0.413	0.0
				1411	0.2857	0.10		1825	3.438	0.0015
				1431	0.1500	0.15		1827	11.064	0.0028
				1450	0.1579	0.20		1834	21.810	0.0138
				1511	0.1143	0.24		1837	34.801	0.0218
WATERSHED CONDITIONS:										
12% sorghum; 86% pasture,				1520	0.8667	0.37		1841	41.937	0.0364
Bermudagrass, good cover				1535	0.2800	0.44		1849	44.424	0.0692
moderately grazed; 2% gravel				1645	0.0514	0.50		1859	43.474	0.1110
roads. Straight row culti-				1715	0.1600	0.58		1906	45.468	0.1406
vation, not terraced.				1753	0.1105	0.65		1919	37.450	0.1918
				1757	1.6500	0.76		1932	32.998	0.2353
				1804	1.9714	0.95		1949	32.302	0.2880
				1811	3.4286	1.35		2004	37.531	0.3377
				1816	2.2800	1.58		2014	41.514	0.3753
				1831	0.6400	1.74		2026	44.078	0.4241
				1845	0.2143	1.79		2044	43.388	0.4988
				1925	0.2250	1.94		2106	40.420	0.5864
				1951	0.6923	2.24		2126	41.092	0.6638
				2015	0.3750	2.35		2143	40.924	0.7301
				2045	0.3200	2.55		2155	44.771	0.7789
				2105	0.3900	2.68		2202	50.098	0.8104
				2130	0.3840	2.84		2209	63.368	0.8482
				2145	0.6000	2.99		2215	58.292	0.8942
				2150	0.7200	3.05		2218	124.595	0.9260
				2155	2.5200	3.26		2221	148.506	0.9649
				2205	1.6800	3.54		2226	212.955	1.0507
				2215	2.0400	3.88		2228	249.212	1.0946
				2225	2.8200	4.35		2232	273.802	1.1940
				2235	1.7400	4.64		2235	295.554	1.2751
				2245	1.9200	4.96		2239	311.646	1.3905

Conversion Factor: CFS to IN/HR, multiply by 0.00569966.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED W-1

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2301	0.6375	5.13	3- 6	2243	319.360	1.5104
				2306	3.2400	5.40		2252	288.757	1.7703
				2325	0.3158	5.50		2259	243.973	1.9474
								2307	217.624	2.1228
								2317	194.204	2.3185
								2326	176.392	2.4769
								2333	149.049	2.5851
								2339	118.801	2.6614
								2346	86.913	2.7298
								2354	65.557	2.7877
								2400	54.330	2.8219
							3- 7	7	41.598	2.8538
								20	28.907	2.8973
								32	23.224	2.9270
								41	19.145	2.9451
								49	16.311	2.9586
								103	13.315	2.9783
								121	9.750	2.9980
								129	8.264	3.0049
								159	5.976	3.0252
								219	4.952	3.0355
								247	3.879	3.0473
								315	3.197	3.0567
								349	2.520	3.0659
								417	2.088	3.0720
								456	1.657	3.0790
								531	1.386	3.0840
								600	1.193	3.0876
								625	1.033	3.0902
								640	0.935	3.0916
								657	0.874	3.0931
								738	0.776	3.0963
								814	0.687	3.0988
								854	0.581	3.1012
								934	0.498	3.1033
								1029	0.395	3.1056
								1127	0.306	3.1075
								1200	0.275	3.1084
								1247	0.254	3.1096
								1852	0.076	3.1153
								2400	0.036	3.1170

Conversion Factor: CFS to IN/HR, multiply by 0.00569966.



EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED W-1

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED W-1

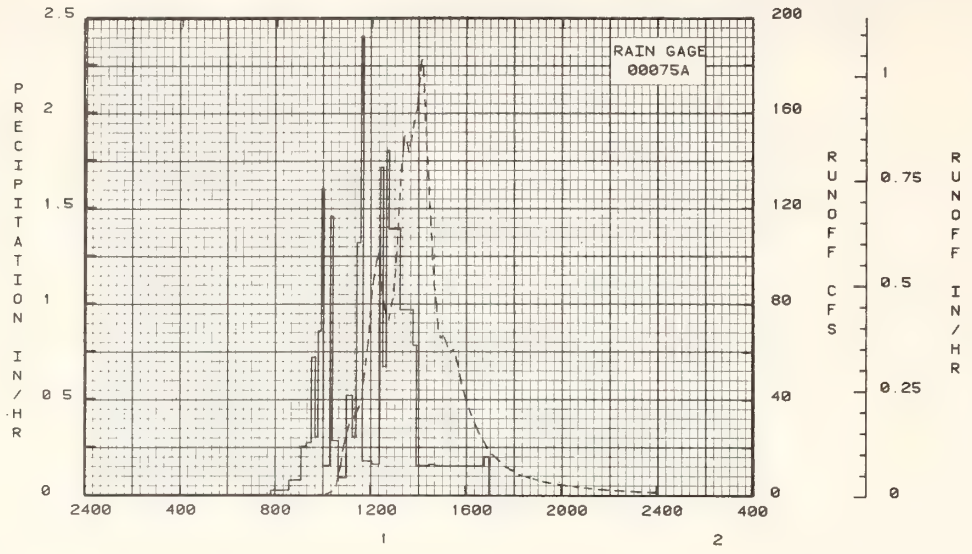
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
RG 00075A			RG 00075A							
4- 1	0.0	0.001	4- 1	130	0.0	0.0	4- 1	945	0.023	0.0
				750	0.0016	0.01		955	0.086	0.0001
				835	0.0267	0.03		1008	0.444	0.0004
				905	0.0800	0.07		1023	1.506	0.0018
				919	0.2571	0.13		1035	3.989	0.0049
WATERSHED CONDITIONS:				930	0.2727	0.18		1045	12.332	0.0126
12% sorghum; 86% pasture,				940	0.7200	0.30		1052	20.624	0.0236
Bermudagrass, good cover				948	0.3000	0.34		1106	29.649	0.0570
moderately grazed; 2% gravel				955	0.8571	0.44		1124	34.249	0.1117
roads. Straight row culti-				1001	1.6000	0.60		1138	40.337	0.1613
vation, not terraced.				1017	0.1500	0.64		1142	48.030	0.1781
				1024	1.4571	0.81		1154	65.057	0.2425
				1039	0.2800	0.88		1202	85.251	0.2996
				1059	0.0900	0.91		1208	92.423	0.3503
				1114	0.5200	1.04		1215	99.224	0.4140
				1124	0.3000	1.09		1218	100.629	0.4425
				1134	1.3200	1.31		1227	87.024	0.5227
				1140	2.4000	1.55		1232	79.368	0.5622
				1204	0.1750	1.62		1238	74.902	0.6062
				1223	0.1579	1.67		1244	72.808	0.6482
				1230	1.7143	1.87		1255	82.181	0.7292
				1239	0.6667	1.97		1305	101.688	0.8166
				1244	1.8000	2.12		1309	117.058	0.8581
				1313	1.3862	2.75		1315	135.437	0.9301
				1346	0.9636	3.32		1319	144.324	0.9832
				1356	0.7800	3.45		1323	150.137	1.0392
				1428	0.1500	3.53		1329	147.152	1.1239
				1443	0.1600	3.57		1334	143.118	1.1928
				1647	0.1500	3.88		1341	150.410	1.2904
				1659	0.2000	3.92		1348	156.588	1.3925

Conversion Factor: CFS to IN/HR, multiply by 0.00569966.

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED W-1

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
							4- 1	1355	162.157	1.4985
								1358	168.082	1.5455
								1401	174.373	1.5943
								1403	179.002	1.6279
								1406	182.210	1.6794
								1409	179.293	1.7309
								1411	174.949	1.7645
								1412	171.216	1.7810
								1417	153.144	1.8580
								1423	134.521	1.9400
								1430	115.201	2.0230
								1435	98.175	2.0737
								1441	85.362	2.1260
								1446	76.486	2.1644
								1450	69.199	2.1921
								1456	65.557	2.2305
								1502	66.561	2.2681
								1506	65.758	2.2933
								1514	61.696	2.3417
								1521	60.040	2.3822
								1530	60.720	2.4338
								1536	56.683	2.4672
								1541	53.492	2.4934
								1549	46.522	2.5314
								1602	39.007	2.5842
								1614	33.231	2.6254
								1624	29.203	2.6550
								1634	25.442	2.6810
								1644	22.749	2.7039
								1654	19.463	2.7239
								1707	16.852	2.7463
								1726	14.156	2.7743
								1740	11.851	2.7916
								1800	9.998	2.8124
								1814	8.524	2.8247
								1822	7.771	2.8310
								1831	7.700	2.8378
								1840	7.324	2.8442
								1849	6.985	2.8503
								1900	6.344	2.8573
								1914	5.645	2.8653
								1934	5.137	2.8755
								1953	4.578	2.8843
								2015	3.987	2.8932
								2029	3.833	2.8984
								2044	3.344	2.9035
								2100	3.158	2.9085
								2116	2.855	2.9131
								2137	2.487	2.9184
								2159	2.225	2.9233
								2218	2.069	2.9272
								2238	1.868	2.9309
								2257	1.665	2.9341
								2321	1.495	2.9377
								2342	1.415	2.9406
								2400	1.311	2.9429

Conversion Factor: CFS to IN/HR, multiply by 0.00569966.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS WATERSHED W-1

LOCATION: Falls Co., Texas; 19 mi. SE of Waco; Brazos River Basin. Lat. 31 deg. 27 min. 19 sec. N.; Long. 96 deg. 52 min. 55 sec. W.

AREA: 130.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED W-2

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	2.93	3.30	5.07	1.38	2.66	5.53	0.57	1.44	2.04	2.15	5.12	2.55	34.74
	Q					0.009	0.415	0.0	0.0	0.0	0.0	0.0	0.232	
1979	P	2.30	2.88	5.31	4.76	12.48	6.06	1.91	3.06	2.69	3.32	0.84	4.87	50.48
	Q	0.478	0.917	1.844	3.550	6.853	2.253	0.256	0.138	0.075	0.061	0.044	0.713	17.182
STA AV	P	2.21	2.64	2.58	3.86	4.32	3.42	1.71	2.34	2.77	2.97	2.94	2.58	34.33
	Q	0.643	0.765	0.894	1.116	1.299	0.677	0.131	0.087	0.215	0.304	0.470	0.640	7.240

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval											
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	6- 6	0.137	6- 6	0.128	6- 6	0.219	6- 6	0.320	6- 6	0.343	6- 6	0.352	6- 6	0.367	6- 6	0.395
1979	5-11	1.912	5-11	1.456	5-11	2.198	5-10	2.893	4- 1	2.995	5-10	3.128	5-10	3.172	5-28	3.463
MAXIMUMS FOR PERIOD OF RECORD																
	5- 1 1944	4.830	5- 1 1944	2.860	5- 1 1944	5.400	5- 1 1944	6.910	5- 1 1944	6.970	5- 1 1944	7.120	4-30 1944	9.260	4-29 1944	10.960

Watershed Conditions: 95% pasture; 5% gravel and paved roads.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1963, USDA Misc. Pub. 1164, p. 42.7-5 (Revised).
Precipitation: Records began July 1937. Data from Thiessen weighted method using rain gages W-2, W-4, W-5A, and W-6. Early part-year records not included in averages.
Runoff: Records began July 1937. Station not in operation Jan. 1976 - April 1978. Part-year records included in station averages.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS WATERSHED W-2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.56	0.67	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	0.91	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.17
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.0
5	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.60	0.0	0.06	1.11	0.0
6	0.0	0.10	4.80	0.0	0.0	4.46	0.0	0.0	0.0	0.0	0.01	0.02
7	0.0	0.18	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.54	0.0	0.0	0.0
10	0.0	0.0	0.0	0.94	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0
11	0.99	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.44	0.0	0.0	0.18	0.0	0.0	0.0	0.23	0.0	0.0	0.0
13	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0
16	1.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	0.0
17	0.0	0.58	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.21	0.0
20	0.0	0.0	0.0	0.0	0.92	0.0	0.0	0.0	0.0	0.0	0.08	0.0
21	0.06	0.0	0.0	0.0	0.55	0.0	0.0	0.07	0.0	0.0	0.53	0.0
22	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
23	0.0	0.0	0.13	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.99	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	1.10	0.0
27	0.0	0.05	0.0	0.0	0.0	0.0	0.15	0.0	0.10	0.0	0.03	0.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
31	0.32		0.0		0.0		0.0	0.21		0.0		0.15
TOTAL	2.93	3.30	5.07	1.38	2.66	5.53	0.57	1.44	2.04	2.15	5.12	2.55
STA AV	2.21	2.64	2.51	3.84	4.11	3.35	1.70	2.32	2.77	2.96	3.09	2.52

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiessen weighted average of rain gages W-2, W-4, W-5A, and W-6.
Station Averages: 41 yr beginning 1937.
Notes: Estimate codes may indicate that non-significant event totals are included.

1979	DAILY PRECIPITATION (INCHES)					RIESEL (WACC), TEXAS	WATERSHED W-2					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.00	0.85	0.95	0.0	0.39	0.0	0.0	0.0	0.0
2	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.20	0.08	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
5	0.10	0.54	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0
6	0.05	0.51	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
7	0.15	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.81	0.0	0.0	0.0	1.99	0.13	0.84	0.23	0.0	0.0	0.0	0.0
11	0.18	0.0	0.10	0.17	2.65	0.0	0.0	2.05	0.0	0.0	0.0	0.79
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.16	0.0	0.0	0.0	0.0	0.0	0.0	0.84	0.0	0.0
16	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.59	0.0	0.0	0.39	0.0	0.0	0.0	0.0	0.0
18	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.25	0.0	0.21	0.0
19	0.12	0.0	0.93	0.56	0.0	0.0	0.0	0.0	1.36	0.0	0.0	0.0
20	0.26	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.07	0.0	0.06	0.0
21	0.0	0.0	0.45	0.0	0.91	0.0	0.0	0.0	0.0	0.0	0.33	0.76
22	0.0	0.0	0.58	0.0	1.67	0.0	0.0	0.33	0.0	0.83	0.0	0.57
23	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.29
24	0.0	0.54	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.24	0.0
25	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.03	0.0	0.0	0.0	0.0	3.94	0.12	0.0	0.0	0.0	0.0	0.0
27	0.0	0.19	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.39	0.0	0.0	0.0	0.0	0.0	0.0	0.86
29	0.15		0.0	0.44	1.92	0.0	0.0	0.0	0.0	0.0	0.0	0.03
30	0.13		0.35	0.0	0.89	0.0	0.0	0.0	0.0	1.65	0.0	0.0
31	0.0		0.81		0.0		0.0	0.0		0.0		0.0
TOTAL	2.30	2.88	5.31	4.76	12.48	6.06	1.91	3.06	2.69	3.32	0.84	4.87
STA AV	2.21	2.64	2.58	3.86	4.32	3.42	1.71	2.34	2.77	2.97	2.94	2.58

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiessen weighted average of rain gages W-2, W-4, W-5A, and W-6.
Station Averages: 42 yr beginning 1937.
Notes: Estimate codes may indicate that non-significant event totals are included.

1978	MEAN DAILY DISCHARGE (CFS)					RIESEL (WACO), TEXAS	WATERSHED W-2					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	NR	NR	NR	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	NR	NR	NR	NR	0.018	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	NR	NR	NR	NR	0.024	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	NR	NR	NR	NR	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	NR	NR	NR	NR	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	NR	NR	NR	NR	0.0	1.902	0.0	0.0	0.0	0.0	0.0	0.0
7	NR	NR	NR	NR	0.002	0.096	0.0	0.0	0.0	0.0	0.0	0.0
8	NR	NR	NR	NR	0.0	0.073	0.0	0.0	0.0	0.0	0.0	0.0
9	NR	NR	NR	NR	0.0	0.017	0.0	0.0	0.0	0.0	0.0	0.005
10	NR	NR	NR	NR	0.0	0.016	0.0	0.0	0.0	0.0	0.0	0.013
11	NR	NR	NR	0.0	0.0	0.017	0.0	0.0	0.0	0.0	0.0	0.016
12	NR	NR	NR	0.0	0.0	0.014	0.0	0.0	0.0	0.0	0.0	0.019
13	NR	NR	NR	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.0	0.018
14	NR	NR	NR	0.0	0.0	0.019	0.0	0.0	0.0	0.0	0.0	0.015
15	NR	NR	NR	0.0	0.0	0.023	0.0	0.0	0.0	0.0	0.0	0.017
16	NR	NR	NR	0.0	0.0	0.013	0.0	0.0	0.0	0.0	0.0	0.018
17	NR	NR	NR	0.0	0.0	0.011	0.0	0.0	0.0	0.0	0.0	0.018
18	NR	NR	NR	0.0	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.016
19	NR	NR	NR	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.016
20	NR	NR	NR	0.0	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.016
21	NR	NR	NR	0.001	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.015
22	NR	NR	NR	0.014	0.0	0.007	0.0	0.0	0.0	0.0	0.0	0.015
23	NR	NR	NR	0.015	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.013
24	NR	NR	NR	0.004	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.008
25	NR	NR	NR	0.003	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.007
26	NR	NR	NR	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.009
27	NR	NR	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.009
28	NR	NR	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.013
29	NR		NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.031
30	NR		NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.015
31	NR		NR		0.0		0.0	0.0		0.0		0.948
MEAN					0.0016	0.0756	0.0	0.0	0.0	0.0	0.0	0.0409
INCHES					0.009	0.415	0.0	0.0	0.0	0.0	0.0	0.232
STA AV	0.647	0.761	0.869	1.052	1.157	0.636	0.128	0.086	0.218	0.310	0.481	0.638

Station Averages: 40 yr beginning 1937. Station not in operation Jan. 1976 - April 1978. part-year records included in station averages.
Conversion Factor: CFS to IN/DAY, multiply by 0.18309046.

1979 MEAN DAILY DISCHARGE (CFS) BIESEL (WACO), TEXAS WATERSHED W-2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.061	0.056	0.069	16.558	0.388	3.201	0.048	0.036	0.009	0.003	0.005	0.001
2	0.008	0.075	0.098	0.318	0.096	0.253	0.046	0.024	0.008	0.002	0.005	0.001
3	0.013	0.073	0.225	0.136	0.092	0.115	0.044	0.019	0.007	0.0	0.005	0.002
4	0.058	0.249	0.071	0.110	0.088	0.089	0.044	0.016	0.010	0.0	0.005	0.002
5	0.074	0.866	0.071	0.097	0.073	2.558	0.049	0.015	0.011	0.0	0.007	0.002
6	0.069	1.617	0.073	0.095	0.067	0.134	0.059	0.013	0.010	0.0	0.008	0.002
7	0.053	0.205	0.073	0.107	0.059	0.090	0.055	0.011	0.008	0.0	0.009	0.0 T
8	0.043	0.085	0.075	0.113	0.054	0.088	0.050	0.010	0.008	0.0	0.010	0.0
9	0.048	0.074	0.078	0.088	0.057	0.080	0.045	0.010	0.009	0.0	0.010	0.0
10	0.556	0.079	0.083	0.100	0.145	0.092	0.108	0.015	0.005	0.0	0.004	0.0 T
11	0.425	0.079	0.082	0.098	17.053	0.069	0.049	0.269	0.004	0.0	0.006	0.030
12	0.064	0.079	0.062	0.073	0.193	0.063	0.042	0.029	0.006	0.0	0.005	0.067
13	0.047	0.081	0.053	0.075	0.091	0.064	0.042	0.021	0.004	0.0	0.004	0.023
14	0.037	0.078	0.047	0.074	0.091	0.061	0.042	0.018	0.002	0.0	0.002	0.008
15	0.051	0.073	0.534	0.072	0.079	0.060	0.038	0.018	0.0	0.008	0.002	0.005
16	0.059	0.064	1.191	0.079	0.078	0.059	0.037	0.019	0.0	0.046	0.003	0.003
17	0.060	0.076	0.183	0.122	0.077	0.055	0.069	0.019	0.0	0.020	0.006	0.001
18	0.063	0.083	0.063	0.099	0.073	0.049	0.055	0.017	0.040	0.013	0.014	0.002
19	0.079	0.078	1.841	0.186	0.073	0.050	0.044	0.015	0.117	0.009	0.013	0.002
20	0.120	0.077	0.849	0.108	0.073	0.047	0.055	0.013	0.074	0.003	0.013	0.002
21	0.047	0.077	1.374	0.083	0.201	0.047	0.051	0.011	0.014	0.0	0.027	0.028
22	0.052	0.080	1.885	0.082	4.826	0.044	0.048	0.018	0.010	0.037	0.013	0.685
23	0.050	0.098	0.111	0.070	0.201	0.040	0.034	0.017	0.009	0.003	0.011	1.798
24	0.047	0.311	0.095	0.062	0.089	0.041	0.027	0.016	0.007	0.003	0.012	0.114
25	0.061	0.071	0.095	0.059	0.081	0.041	0.028	0.015	0.007	0.002	0.018	0.037
26	0.078	0.066	0.088	0.053	0.084	4.531	0.039	0.013	0.007	0.003	0.010	0.038
27	0.053	0.076	0.088	0.059	0.085	0.107	0.049	0.013	0.007	0.002	0.006	0.039
28	0.050	0.086	0.096	0.054	1.072	0.063	0.034	0.011	0.007	0.004	0.003	0.496
29	0.062		0.099	0.099	8.226	0.061	0.027	0.008	0.006	0.0 T	0.002	0.380
30	0.080		0.157	0.063	3.238	0.052	0.020	0.011	0.005	0.162	0.001	0.067
31	0.047		0.159		0.325		0.018	0.011		0.014		0.055
MEAN	0.0843	0.1790	0.3248	0.6464	1.2074	0.4102	0.0451	0.0242	0.0136	0.0108	0.0080	0.1256
INCHES	0.478	0.917	1.844	3.550	6.853	2.253	0.256	0.138	0.075	0.061	0.044	0.713
STA AV	0.643	0.765	0.894	1.116	1.299	0.677	0.131	0.087	0.215	0.304	0.470	0.640

Station Averages: 41 yr beginning 1937. Station not in operation Jan. 1976 - April 1978. Part-year records included in station averages.
Conversion Factor: CFS to IN/DAY, multiply by 0.18309046.

1978 SELECTED RUNOFF EVENT BIESEL (WACO), TEXAS WATERSHED W-2

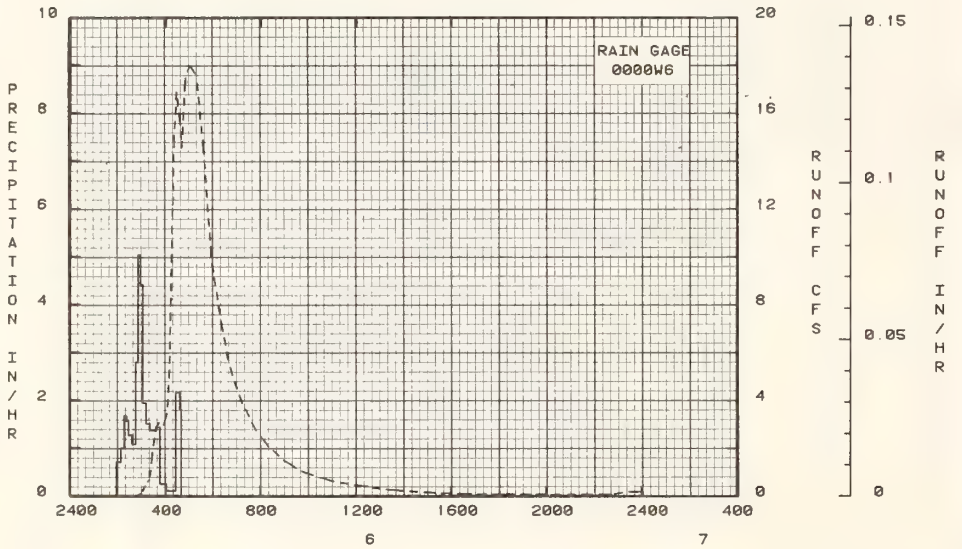
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 6, 1978							
RG 0000W6			RG 0000W6							
6- 6	0.0	0.0	6- 6	156	0.0	0.0	6- 6	229	0.0	0.0
				207	0.7091	0.13		236	0.0	0.0
				216	1.0000	0.28		243	0.005	0.0
				221	1.6800	0.42		248	0.019	0.0000
				226	1.5600	0.55		253	0.048	0.0000
WATERSHED CONDITIONS: 95% pasture; 5% roads.				236	1.2600	0.76		259	0.106	0.0001
				245	1.0667	0.92		302	0.221	0.0002
				251	2.8000	1.20		309	0.407	0.0004
				256	5.0400	1.62		315	0.602	0.0008
				302	4.4000	2.06		319	0.684	0.0011
				311	1.9334	2.35		321	0.787	0.0013
				321	1.5000	2.60		327	1.816	0.0023
				336	1.3600	2.94		336	2.892	0.0050
				346	1.4400	3.18		343	3.054	0.0077
				401	0.2400	3.24		355	2.954	0.0122
				426	0.0960	3.28		404	3.455	0.0159
				436	2.1600	3.64		410	5.271	0.0192
				440	1.7999	3.76		413	8.278	0.0218
								417	11.885	0.0269
								421	15.070	0.0338
								427	16.885	0.0460
								436	15.499	0.0645
								440	14.527	0.0722
								449	17.446	0.0904
								500	17.972	0.1152
								517	17.541	0.1536
								536	14.281	0.1920
								555	9.990	0.2214
								600	9.383	0.2275
								621	7.177	0.2496

Conversion Factor: CFS to IN/HR, multiply by 0.00762877.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED W-2

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 6, 1978 (CONTINUED)							
							6- 6	639	5.645	0.2643
								649	5.044	0.2711
								714	3.864	0.2853
								749	2.713	0.2999
								819	2.079	0.3090
								859	1.465	0.3180
								929	1.162	0.3230
								955	0.945	0.3265
								1037	0.731	0.3310
								1104	0.596	0.3333
								1159	0.432	0.3369
								1230	0.365	0.3384
								1244	0.324	0.3391
								1259	0.295	0.3396
								1329	0.240	0.3407
								1359	0.196	0.3415
								1500	0.129	0.3428
								1559	0.091	0.3436
								1650	0.072	0.3441
								1729	0.063	0.3444
								1800	0.056	0.3447
								1814	0.057	0.3448
								1820	0.069	0.3448
								1839	0.063	0.3450
								1859	0.063	0.3451
								1955	0.056	0.3456
								2017	0.044	0.3457
								2036	0.059	0.3458
								2112	0.052	0.3461
								2138	0.063	0.3463
								2231	0.059	0.3467
								2243	0.051	0.3468
								2253	0.091	0.3468
								2311	0.150	0.3471
								2329	0.181	0.3475
								2400	0.170	0.3482

Conversion Factor: CFS to IN/HR, multiply by 0.00762877.



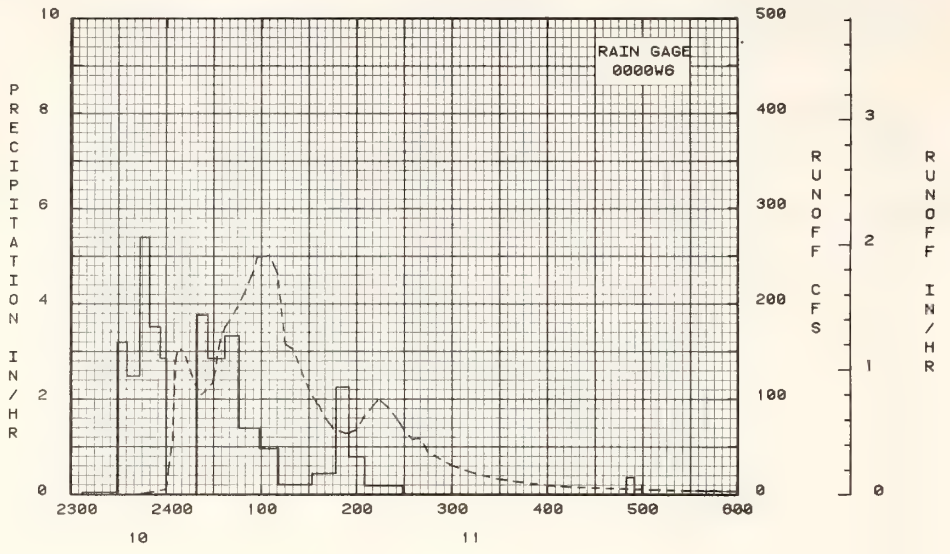
EVENT OF JUNE 6, 1978

RIESEL (WACO), TEXAS WATERSHED W-2

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED W-2

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 10 - 11, 1979							
RG 0C00W6			RG 0000W6							
5-10	0.13	0.020	5-10	2307	0.0	0.0	5-10	2344	1.198	0.0
				2329	0.0545	0.02		2352	3.173	0.0022
				2335	3.2000	0.34		2400	5.984	0.0069
				2343	2.4750	0.67	5-11	2	34.485	0.0120
				2349	5.4000	1.21		4	58.401	0.0238
WATERSHED CONDITIONS:										
95% pasture; 5% roads.				2356	3.5143	1.62		5	114.338	0.0348
				2400	2.8500	1.81		6	143.118	0.0512
			5-11	19	0.0	1.81		7	150.001	0.0698
				26	3.7713	2.25		9	152.322	0.1083
				37	2.8364	2.77		10	150.682	0.1275
				46	3.3333	3.27		12	144.593	0.1651
				59	1.3846	3.57		15	129.845	0.2174
				111	0.9500	3.76		18	115.571	0.2642
				132	0.2000	3.83		20	109.454	0.2928
				147	0.4400	3.94		22	104.530	0.3200
				155	2.2500	4.24		25	109.333	0.3608
				205	0.7800	4.37		29	116.933	0.4184
				229	0.1750	4.44		31	129.974	0.4497
				450	0.0043	4.45		33	153.831	0.4858
				455	0.3600	4.48		34	162.958	0.5060
								37	175.959	0.5706
								40	182.796	0.6390
								45	197.209	0.7598
								50	215.129	0.8909
								55	234.584	1.0338
								57	249.048	1.0953
								105	250.693	1.3495
								110	231.218	1.5027
								115	157.003	1.6261
								120	151.501	1.7241
								125	129.974	1.8136
								130	108.970	1.8896
								135	94.479	1.9542
								136	93.449	1.9662
								140	79.799	2.0102
								145	69.199	2.0576
								153	63.467	2.1251
								200	67.875	2.1835
								205	82.290	2.2312
								213	98.292	2.3231
								215	97.943	2.3480
								220	90.159	2.4078
								225	79.583	2.4618
								230	67.167	2.5084
								235	57.730	2.5481
								240	59.170	2.5853
								245	44.078	2.6181
								300	30.023	2.6888
								315	21.478	2.7379
								330	15.483	2.7731
								345	11.957	2.7993
								400	9.212	2.8195
								415	7.355	2.8353
								507	4.441	2.8743
								525	3.743	2.8836
								545	3.317	2.8926

Conversion Factor: CFS to IN/HR, multiply by 0.00762877.



EVENT OF MAY 10 - 11, 1979

RIESEL (WACO), TEXAS WATERSHED W-2

LOCATION: Falls Co., Texas; 19 mi. SE of Waco; Brazos River Basin. Lat. 31 deg. 27 min. 24 sec. N.; Long. 96 deg. 53 min. 11 sec. W.

AREA: 42.30 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) RIESEL (WACO), TEXAS WATERSHED W-6

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	3.13	3.42	5.42	1.41	2.91	6.02	0.70	1.50	2.10	2.20	5.55	2.68	37.04
1978	Q	0.0	0.031	2.631	0.0	0.0	0.438	0.0	0.0	0.0	0.0	0.0	0.060	3.159
	P	2.54	3.13	5.14	5.50	12.57	6.08	1.89	3.31	2.81	3.50	0.95	5.17	52.59
1979	Q	0.084	0.155	0.887	2.833	6.446	1.267	0.0	0.0	0.0	0.0	0.0	0.340	12.011
STA AV	P	2.07	2.58	2.55	4.08	4.12	3.47	1.80	2.31	2.94	3.18	2.94	2.44	34.47
	Q	0.313	0.439	0.594	0.830	0.909	0.534	0.097	0.042	0.183	0.264	0.318	0.408	4.930

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	2.124	3- 6	1.566	3- 6	2.109	3- 6	2.520	3- 6	2.625	3- 6	2.630	3- 6	2.631	3- 5	2.631
1979	5-11	2.915	5-11	1.727	5-10	2.302	5-10	2.865	5-10	2.876	5-10	3.037	5-10	3.041	5-28	3.606
MAXIMUMS FOR PERIOD OF RECORD																
	6-10	3.990	4-19	2.330	4-19	2.780	5-11	3.130	5-11	3.210	3-29	4.060	11-22	5.090	4-19	9.060
	1941		1957		1957		1957		1957		1965		1940		1957	

Watershed Conditions: 1978 - 93% pasture; 7% gravel and paved roads.
1979 - 58% pasture; 35% grain sorghum; 7% gravel and paved roads.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1963, USDA Misc. Pub. 1164, p. 42.7-5 (revised).
Precipitation: Records began May 1939. Data from Thiessen weighted method using rain gages W-2, W-4, and W-5A.
Runoff: Records began May 1939. Station not in operation July 1943 to Jan. 1, 1946.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS WATERSHED W-6

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.24	0.0	0.51	0.75	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	1.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0	0.20
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0
5	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.69	0.0	0.07	1.18	0.0
6	0.0	0.10	5.10	0.0	0.0	4.75	0.0	0.0	0.0	0.0	0.01	0.02
7	0.0	0.18	0.0	0.0	0.0	0.51	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.54	0.0	0.0	0.0
10	0.0	0.0	0.0	0.97	0.0	0.0	0.0	0.0	0.27	0.0	0.0	0.0
11	1.03	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.50	0.0	0.0	0.21	0.0	0.0	0.0	0.19	0.0	0.0	0.0
13	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0
16	1.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.0
17	0.0	0.63	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.32	0.0
20	0.0	0.0	0.0	0.0	1.02	0.0	0.0	0.0	0.0	0.0	0.10	0.0
21	0.06	0.0	0.0	0.0	0.54	0.0	0.0	0.09	0.0	0.0	0.59	0.0
22	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
23	0.0	0.0	0.16	0.0	0.0	0.0	0.53	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.12	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	1.16	0.0
27	0.0	0.06	0.0	0.0	0.0	0.0	0.17	0.0	0.10	0.0	0.0 T	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10
31	0.38		0.0		0.0		0.0	0.21		0.0		2.24
TOTAL	3.13	3.42	5.42	1.41	2.91	6.02	0.70	1.50	2.10	2.20	5.55	2.68
STA AV	2.06	2.56	2.47	4.04	3.88	3.40	1.80	2.28	2.95	3.17	2.99	2.36

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiessen weighted average of rain gages W-2, W-4, and W-5A.
Station Averages: 36 yr beginning May 1939 (part-year records not included). Station not in operation July 1943 to Jan. 1, 1946.

1979	DAILY PRECIPITATION (INCHES)							BIESEL (WACO), TEXAS WATERSHED W-6				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.69	0.90	1.01	0.0	0.41	0.0	0.0	0.0	0.0
2	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.23	0.09	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
5	0.11	0.53	0.0	0.0	0.0	1.07	0.0	0.0	0.0	0.0	0.0	0.0
6	0.05	0.57	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
7	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.17	0.0	0.0	0.0	2.16	0.18	0.87	0.32	0.0	0.0	0.0	0.0
11	0.0	0.0	0.12	0.18	2.29	0.0	0.0	2.21	0.0	0.0	0.0	0.74
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.28	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.0	0.0
16	0.0	0.0	0.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.61	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0
18	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0	0.25	0.0
19	0.10	0.0	1.00	0.53	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0
20	0.31	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.01	0.0	0.01	0.0
21	0.0	0.0	0.45	0.0	0.93	0.0	0.0	0.0	0.0	0.0	0.44	0.87
22	0.0	0.0	0.65	0.0	1.64	0.0	0.0	0.27	0.0	0.87	0.0	0.62
23	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
24	0.0	0.58	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.25	0.0
25	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	3.82	0.07	0.0	0.0	0.0	0.0	0.0
27	0.0	0.17	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.36	0.0	0.0	0.0	0.0	0.0	0.0	0.87
29	0.18		0.0	0.49	2.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T
30	0.11		0.36	0.0	0.87	0.0	0.0	0.0	0.0	1.67	0.0	0.0
31	0.0		0.24		0.0		0.0	0.0		0.0		0.0
TOTAL	2.54	3.13	5.14	5.50	12.57	6.08	1.89	3.31	2.81	3.50	0.95	5.17
STA AV	2.07	2.58	2.55	4.08	4.12	3.47	1.80	2.31	2.94	3.18	2.94	2.44

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiessen weighted average of rain gages W-2, W-4, and W-5A.
Station Averages: 37 yr beginning May 1939 (part-year records not included). Station not in operation July 1943 to Jan. 1, 1946.

1978	MEAN DAILY DISCHARGE (CFS)							BIESEL (WACO), TEXAS WATERSHED W-6				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	4.422	0.0	0.0	0.721	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.253	0.0	0.0	0.017	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.039	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.055	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.107
MEAN	0.0	0.0020	0.1508	0.0	0.0	0.0259	0.0	0.0	0.0	0.0	0.0	0.0034
INCHES	0.0	0.031	2.631	0.0	0.0	0.438	0.0	0.0	0.0	0.0	0.0	0.060
STA AV	0.319	0.447	0.585	0.774	0.755	0.514	0.100	0.043	0.188	0.271	0.327	0.410

Station Averages: 36 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to Jan. 1, 1946.
Conversion Factor: CFS to IN/DAY, multiply by 0.562689.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED W-6

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.001	0.0	0.0	4.970	0.016	1.182	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.001	0.025	0.001	0.012	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.005	0.005	0.002	0.002	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.013	0.0	0.002	0.001	0.002	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.072	0.0	0.002	0.001	0.602	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.171	0.0	0.002	0.0 T	0.004	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.004	0.0	0.002	0.0 T	0.001	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.002	0.0 T	0.001	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0 T	0.0	0.001	0.001	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
10	0.108	0.0	0.0	0.002	0.173	0.001	0.0	0.0	0.0	0.0	0.0	0.0
11	0.038	0.0	0.0	0.002	5.227	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0 T	0.0	0.0	0.001	0.005	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.001	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.001	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.036	0.001	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.069	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0 T	0.010	0.003	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.002	0.002	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.483	0.008	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.001	0.0	0.075	0.002	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.258	0.001	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.616	0.0 T	1.387	0.0	0.0	0.0	0.0	0.0	0.0	0.053
23	0.0	0.0 T	0.001	0.0 T	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.465
24	0.0	0.014	0.001	0.0 T	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.001
25	0.0	0.0	0.001	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.001	0.0	0.002	0.443	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0 T	0.001	0.0 T	0.001	0.001	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0 T	0.002	0.0	0.478	0.0	0.0	0.0	0.0	0.0	0.0	0.062
29	0.0 T		0.002	0.001	3.022	0.0	0.0	0.0	0.0	0.0	0.0	0.022
30	0.0 T		0.007	0.0	1.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.007		0.014		0.0	0.0		0.0		0.0
MEAN	0.0048	0.0098	0.0509	0.1678	0.3695	0.0750	0.0	0.0	0.0	0.0	0.0	0.0195
INCHES	0.084	0.155	0.887	2.833	6.446	1.267	0.0	0.0	0.0	0.0	0.0	0.340
STA AV	0.313	0.439	0.594	0.830	0.909	0.534	0.097	0.042	0.183	0.264	0.318	0.408

Station Averages: 37 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to Jan. 1, 1946.
Conversion Factor: CFS to IN/DAY, multiply by 0.562689.

1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS WATERSHED W-6

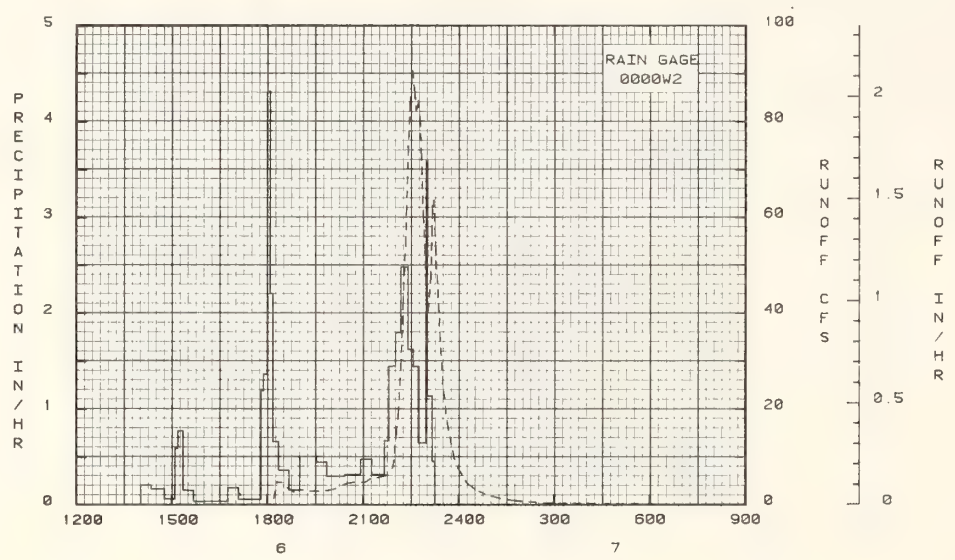
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978							
RG 0C00W2			RG 0000W2							
3- 6	0.04	0.0	3- 6	1401	0.0	0.0	3- 6	1759	0.0	0.0
				1421	0.2100	0.07		1806	0.136	0.0002
				1446	0.1680	0.14		1813	1.661	0.0026
				1506	0.0600	0.16		1819	4.804	0.0102
				1511	0.6000	0.21		1828	4.635	0.0268
WATERSHED CONDITIONS: 93% pasture, 7% gravel and paved roads.				1521	0.7800	0.34		1839	3.493	0.0443
				1541	0.1500	0.39		1850	2.608	0.0574
				1646	0.0369	0.43		1855	3.157	0.0630
				1706	0.1800	0.49		1907	3.175	0.0779
				1748	0.0571	0.53		1924	2.799	0.0977
				1753	1.2000	0.63		1936	2.834	0.1109
				1800	1.3714	0.79		1955	3.157	0.1332
				1805	4.3200	1.15		2009	3.417	0.1512
				1811	2.2000	1.37		2029	4.572	0.1824
				1821	0.6600	1.48		2045	4.783	0.2116
				1841	0.3600	1.60		2104	4.719	0.2469
				1901	0.1500	1.65		2114	5.460	0.2668
				1933	0.5062	1.92		2129	5.754	0.2996
				1952	0.4421	2.06		2147	6.287	0.3420
				2006	0.3000	2.13		2157	7.910	0.3697
				2026	0.3000	2.23		2203	14.911	0.3965
				2056	0.3200	2.39		2207	18.968	0.4230
				2116	0.4800	2.55		2212	30.372	0.4712
				2141	0.3120	2.68		2216	43.480	0.5289
				2149	0.6750	2.77		2220	54.448	0.6054
				2201	1.4500	3.06		2222	62.540	0.6511
				2211	1.8000	3.36		2225	74.962	0.7317
				2218	2.4857	3.65		2229	85.236	0.8569
				2225	2.4857	3.94		2233	90.615	0.9943
				2235	1.6200	4.21		2237	86.155	1.1325

Conversion Factor: CFS to IN/HR, multiply by 0.023445.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED W-6

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2245	1.4400	4.45	3- 6	2240	82.321	1.2312
				2259	0.6429	4.60		2243	83.652	1.3285
				2302	3.6000	4.78		2244	84.443	1.3614
				2311	1.1333	4.95		2248	79.026	1.4891
				2315	0.4500	4.98		2250	71.952	1.5481
								2254	60.371	1.6515
								2257	52.336	1.7176
								2259	45.991	1.7560
								2302	41.819	1.8075
								2303	40.462	1.8235
								2308	47.216	1.9092
								2310	56.853	1.9499
								2311	62.595	1.9732
								2313	63.745	2.0226
								2317	53.775	2.1144
								2326	34.184	2.2691
								2331	25.184	2.3271
								2334	22.089	2.3548
								2341	15.562	2.4063
								2353	9.500	2.4650
								2400	7.504	2.4883
							3- 7	16	4.572	2.5260
								32	3.120	2.5501
								39	2.746	2.5581
								50	2.163	2.5687
								119	1.248	2.5880
								145	0.846	2.5986
								159	0.652	2.6027
								243	0.284	2.6108

Conversion Factor: CFS to IN/HR, multiply by 0.023445.



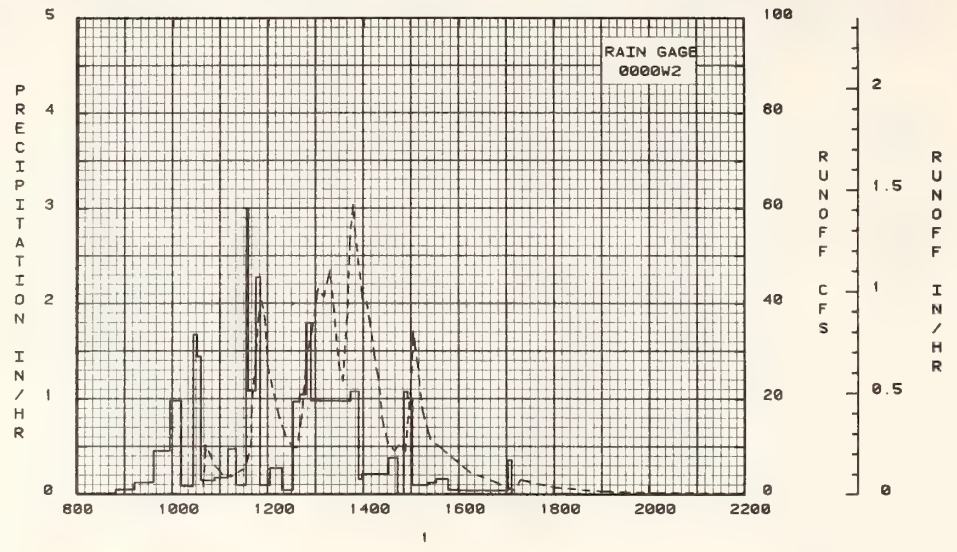
EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED W-6

1979 SELECTED RUNOFF EVENT — PIESEL (WACO), TEXAS WATERSHED W-6

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
RG 0000W2			RG 0000W2							
4- 1	0.0	0.005	4- 1	132	0.0	0.0	4- 1	1039	1.661	0.0
				802	0.0	0.0		1042	10.392	0.0071
				848	0.0130	0.01		1046	8.745	0.0220
				912	0.0500	0.03		1053	5.960	0.0421
				936	0.1250	0.08		1103	4.160	0.0619
WATERSHED CONDITIONS: 58% pasture, 35% grain sorghum, 7% gravel and paved roads.				957	0.4571	0.24		1112	3.723	0.0758
				1011	0.9857	0.47		1116	3.782	0.0816
				1026	0.0800	0.49		1126	4.998	0.0988
				1031	1.6800	0.63		1130	5.260	0.1068
				1036	1.4400	0.75		1134	7.032	0.1164
				1053	0.1412	0.79		1139	10.082	0.1331
				1110	0.1765	0.84		1140	18.686	0.1387
				1120	0.4800	0.92		1144	27.128	0.1745
				1133	0.0923	0.94		1148	36.891	0.2246
				1135	3.0000	1.04		1152	40.508	0.2851
				1145	1.0800	1.22		1156	36.891	0.3456
				1150	2.2800	1.41		1200	26.847	0.3954
				1203	0.0923	1.43		1204	23.867	0.4350
				1218	0.2800	1.50		1215	15.793	0.5202
				1232	0.0429	1.51		1223	12.110	0.5638
				1240	0.9750	1.64		1231	9.720	0.5980
				1248	1.0500	1.78		1237	9.859	0.6209
				1254	1.8000	1.96		1243	16.827	0.6522
				1344	0.9720	2.77		1249	29.166	0.7061
				1354	1.0800	2.95		1256	34.491	0.7932
				1358	0.1500	2.96		1303	43.146	0.8994
				1432	0.2118	3.08		1310	41.303	1.0149
				1443	0.3818	3.15		1318	47.068	1.1530
				1451	0.0	3.15		1324	36.577	1.2510
				1456	1.0800	3.24		1329	27.491	1.3136
				1502	1.0000	3.34		1334	23.599	1.3635
				1522	0.0900	3.37		1340	37.795	1.4355
				1532	0.1200	3.39		1343	54.240	1.4894
				1547	0.1600	3.43		1347	60.802	1.5794
				1601	0.0429	3.44		1349	55.437	1.6248
				1702	0.0393	3.48		1359	40.881	1.8130
				1707	0.3600	3.51		1404	40.369	1.8923
								1409	35.152	1.9661
								1415	28.018	2.0402
								1419	23.829	2.0807
								1424	15.562	2.1192
								1431	10.676	2.1550
								1439	9.093	2.1859
								1445	10.392	2.2088
								1453	8.932	2.2390
								1500	22.313	2.2817
								1503	34.184	2.3148
								1505	31.724	2.3406
								1508	27.855	2.3755
								1511	22.802	2.4052
								1515	17.200	2.4364
								1525	11.487	2.4925
								1545	8.586	2.5709
								1615	4.488	2.6475
								1645	2.540	2.6887
								1710	0.746	2.7048
								1718	3.012	2.7107
								1730	2.440	2.7234
								1800	1.381	2.7458
								1859	0.565	2.7683
								1914	0.447	2.7712
								1935	0.359	2.7745
								2010	0.253	2.7787
								2055	0.196	2.7827
								2134	0.143	2.7853
								2210	0.121	2.7871
								2247	0.102	2.7887
								2324	0.084	2.7901
								2400	0.081	2.7912

Conversion Factor: CFS to IN/HR, multiply by 0.023445.



EVENT OF APRIL 1, 1975

RIESEL (WACO), TEXAS WATERSHED W-6

LOCATION: Falls Co., Texas; 19 mi. SE of Waco; Brazos River Basin. Lat. 31 deg. 27 min. 12 sec. N.; Long. 96 deg. 53 min. 00 sec. W.

AREA: 19.70 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED W-10

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.69	3.22	4.75	1.36	2.49	4.98	0.49	1.40	2.01	2.16	4.77	2.45	32.77
1978	Q	0.0	0.121	2.619	0.0	0.0	0.814	0.0	0.0	0.0	0.0	0.0	0.303	3.857
	P	2.02	2.61	5.87	3.53	12.54	6.19	1.96	2.87	2.59	3.19	0.74	4.66	48.77
1979	Q	0.166	0.677	1.741	2.408	7.862	2.632	0.0	0.001	0.0	0.0	0.0	1.046	16.533
STA AV	P	2.06	2.58	2.47	3.97	3.99	3.44	1.76	2.38	2.92	3.13	2.88	2.37	33.96
	Q	0.511	0.568	0.684	1.100	1.079	0.679	0.155	0.106	0.275	0.454	0.495	0.584	6.689

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	1.236	3- 6	0.996	3- 6	1.417	3- 6	2.295	3- 6	2.570	3- 6	2.616	3- 6	2.619	3- 1	2.619
1979	5-11	2.492	5-11	1.831	5-10	2.660	5-10	3.450	5-10	3.551	5-10	3.761	5-10	3.809	5-10	3.809
MAXIMUMS FOR PERIOD OF RECORD																
	6-10	5.010	4-19	2.310	5-10	2.660	5-10	3.450	5-10	3.551	9-16	3.789	4-24	5.160	5-19	8.290
	1941		1957		1979		1979		1979		1974		1966		1957	

Watersbed Conditions: 100% Coastal Bermudagrass for pasture. Good cover, moderately grazed, terraced.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1963, USDA Misc. Pub. 1164, p. 42.7-5 (revised).
Precipitation: Records began Aug. 1938. Data from rain gage W-6.
Runoff: Records began Aug. 1938. Station not in operation July 1943 to May 3, 1946.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS WATERSHED W-10

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.62	0.65	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.17
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.0	0.0
5	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.55	0.0	0.06	1.08	0.0
6	0.0	0.10	4.51	0.0	0.0	4.17	0.0	0.0	0.0	0.0	0.02	0.02
7	0.0	0.18	0.0	0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.52	0.0	0.0	0.0
10	0.0	0.0	0.0	0.94	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0
11	0.93	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.40	0.0	0.0	0.16	0.0	0.0	0.0	0.28	0.0	0.0	0.0
13	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0
16	1.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.0
17	0.0	0.54	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.10	0.0
20	0.0	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0	0.0	0.06	0.0
21	0.06	0.0	0.0	0.0	0.58	0.0	0.0	0.07	0.0	0.0	0.46	0.0
22	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
23	0.0	0.0	0.10	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.88	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	1.06	0.0
27	0.0	0.05	0.0	0.0	0.0	0.0	0.14	0.0	0.09	0.0	0.05	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
31	0.27		0.0		0.0		0.0	0.16		0.0		2.03
TOTAL	2.69	3.22	4.75	1.36	2.49	4.98	0.49	1.40	2.01	2.16	4.77	2.45
STA AV	2.06	2.58	2.38	3.99	3.75	3.37	1.75	2.36	2.93	3.13	2.94	2.30

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage W-6.
Station Averages: 36 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to May 3, 1946.

1979	DAILY PRECIPITATION (INCHES)					RIESEL (WACO), TEXAS WATERSHED W-10						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	1.84	0.79	0.94	0.0	0.38	0.0	0.0	0.0	0.0
2	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.16	0.04	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.10	0.54	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
6	0.05	0.45	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0
7	0.12	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.33	0.0	0.0	0.0	1.94	0.09	0.83	0.15	0.0	0.0	0.0	0.0
11	0.47	0.0	0.09	0.15	2.99	0.0	0.0	1.92	0.0	0.0	0.0	0.91
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0	0.0
16	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.58	0.0	0.0	0.55	0.0	0.0	0.0	0.0	0.0
18	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23	0.0	0.16	0.0
19	0.16	0.0	0.88	0.57	0.0	0.0	0.0	0.0	1.24	0.0	0.0	0.0
20	0.18	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.12	0.0	0.0	0.0
21	0.0	0.0	0.45	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.35	0.67
22	0.0	0.0	0.52	0.0	1.74	0.0	0.0	0.39	0.0	0.81	0.0	0.51
23	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.09
24	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.23	0.0
25	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.09	0.0	0.0	0.0	0.0	4.16	0.19	0.0	0.0	0.0	0.0	0.0
27	0.0	0.22	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.85
29	0.13		0.0	0.39	1.61	0.0	0.0	0.0	0.0	0.0	0.0	0.06
30	0.13		0.35	0.0	0.94	0.0	0.0	0.0	0.0	1.62	0.0	0.0
31	0.0		1.77		0.0		0.0	0.0		0.0		0.0
TOTAL	2.02	2.61	5.87	3.53	12.54	6.19	1.96	2.87	2.59	3.19	0.74	4.66
STA AV	2.06	2.58	2.47	3.97	3.99	3.44	1.76	2.38	2.92	3.13	2.88	2.37

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage W-6.
Station Averages: 37 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to May 3, 1946.

1978	MEAN DAILY DISCHARGE (CFS)					RIESEL (WACO), TEXAS WATERSHED W-10						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	1.832	0.0	0.0	0.654	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.335	0.0	0.0	0.020	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.099	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.251
MEAN	0.0	0.0036	0.0699	0.0	0.0	0.0224	0.0	0.0	0.0	0.0	0.0	0.0081
INCHES	0.0	0.121	2.619	0.0	0.0	0.814	0.0	0.0	0.0	0.0	0.0	0.303
STA AV	0.520	0.565	0.654	1.064	0.891	0.624	0.159	0.109	0.283	0.467	0.508	0.571

Station Averages: 36 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to May 3, 1946.
Conversion Factor: CFS to IN/DAY, multiply by 1.208211.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACC), TEXAS WATERSHED W-10

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.003	0.0	0.0	1.914	0.145	0.523	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.061	0.014	0.047	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.005	0.004	0.005	0.002	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0 T	0.005	0.0	0.001	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.152	0.0	0.0	0.0	0.453	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.357	0.0	0.0	0.0	0.013	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.029	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.054	0.0	0.0	0.0	0.131	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.079	0.0	0.0	0.0	2.986	0.0	0.0	0.001	0.0	0.0	0.0	0.0
12	0.001	0.0	0.0	0.0	0.035	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.083	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.333	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.062	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.272	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.203	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.225	0.0 T	0.047	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.247	0.0	1.051	0.0	0.0	0.0	0.0	0.0	0.0	0.240
23	0.0	0.0	0.007	0.0	0.043	0.0	0.0	0.0	0.0	0.0	0.0	0.393
24	0.0	0.017	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.014
25	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	1.128	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.011	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.164	0.0	0.0	0.0	0.0	0.0	0.0	0.116
29	0.0		0.0	0.0	1.285	0.0	0.0	0.0	0.0	0.0	0.0	0.101
30	0.0		0.0	0.0	0.518	0.0	0.0	0.0	0.0	0.0	0.0	0.002
31	0.0		0.0		0.075		0.0	0.0		0.0		0.0
MEAN	0.0044	0.0200	0.0465	0.0664	0.2099	0.0726	0.0	0.0	0.0	0.0	0.0	0.0279
INCHES	0.166	0.677	1.741	2.408	7.862	2.632	0.0	0.001	0.0	0.0	0.0	1.046
STA AV	0.511	0.568	0.694	1.100	1.079	0.679	0.155	0.106	0.275	0.454	0.495	0.584

Station Averages: 37 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to May 3, 1946.
Conversion Factor: CFS to IN/DAY, multiply by 1.209211.

1978 SELECTED RUNOFF EVENT RIESEL (WACC), TEXAS WATERSHED W-10

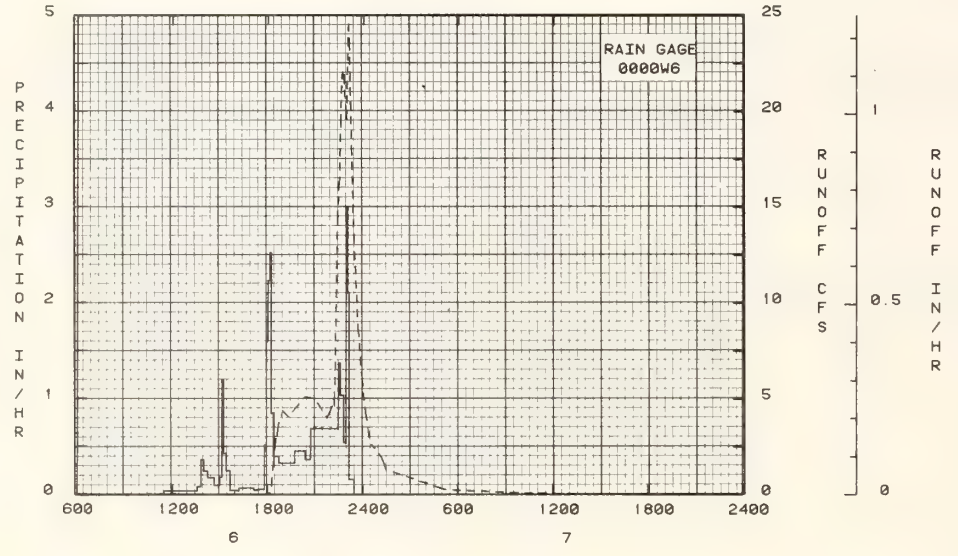
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MARCH 6 - 7, 1978						
RG 0000W6				RG 0000W6						
3- 6	0.0	0.0	3- 6	1128	0.0	0.0	3- 6	1759	0.0	0.0
				1259	0.0330	0.05		1810	0.066	0.0003
				1334	0.0343	0.07		1817	0.504	0.0020
				1349	0.0800	0.09		1825	1.964	0.0102
				1359	0.3600	0.15		1833	2.908	0.0266
WATERSHED CONDITIONS: 100% Coastal Bermudagrass pasture, 4 to 6 inches high, good cover.				1414	0.2400	0.21		1837	3.029	0.0366
				1439	0.1680	0.28		1844	3.739	0.0564
				1459	0.0900	0.31		1858	4.348	0.1039
				1509	0.1800	0.34		1919	4.046	0.1779
				1514	1.2000	0.44		1934	4.304	0.2304
				1524	0.4200	0.51		1959	4.711	0.3250
				1539	0.2400	0.57		2022	5.068	0.4193
				1614	0.0343	0.59		2048	4.996	0.5291
				1709	0.0655	0.65		2113	4.688	0.6307
				1724	0.0400	0.66		2145	3.963	0.7468
				1749	0.0480	0.68		2205	4.595	0.8186
				1756	0.5143	0.74		2211	4.956	0.8427
				1802	1.6000	0.90		2213	4.614	0.8508
				1809	2.2286	1.16		2217	6.886	0.8701
				1814	2.5200	1.37		2220	10.676	0.8922
				1824	0.8400	1.51		2225	14.782	0.9456
				1844	0.3900	1.64		2231	16.558	1.0245
				1944	0.3200	1.96		2235	19.464	1.0849
				2024	0.4500	2.26		2239	21.828	1.1542
				2044	0.3600	2.38		2243	22.052	1.2279
				2228	0.6865	3.57		2246	21.903	1.2832
				2235	1.3714	3.73		2249	21.421	1.3377
				2249	1.0286	3.97		2255	19.857	1.4416
				2258	0.5333	4.05		2257	19.571	1.4747
				2302	3.0000	4.25		2258	20.037	1.4913

Conversion Factor: CFS to IN/HR, multiply by 0.050342.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED W-10

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2308	2.1000	4.46	3- 6	2301	23.484	1.5461
				2328	0.1500	4.51		2304	24.561	1.6065
								2307	23.561	1.6671
								2309	21.940	1.7053
								2317	17.714	1.8384
								2327	12.989	1.9672
								2343	8.612	2.1122
								2400	5.640	2.2138
							3- 7	12	4.221	2.2634
								26	2.940	2.3055
								37	2.490	2.3306
								46	2.390	2.3490
								111	1.929	2.3943
								130	1.267	2.4198
								516	0.241	2.5627
								921	0.098	2.5976
								1318	0.036	2.6109
								1829	0.009	2.6167
								2400	0.003	2.6184

Conversion Factor: CFS to IN/HR, multiply by 0.050342.



EVENT OF MARCH 6 - 7, 1978

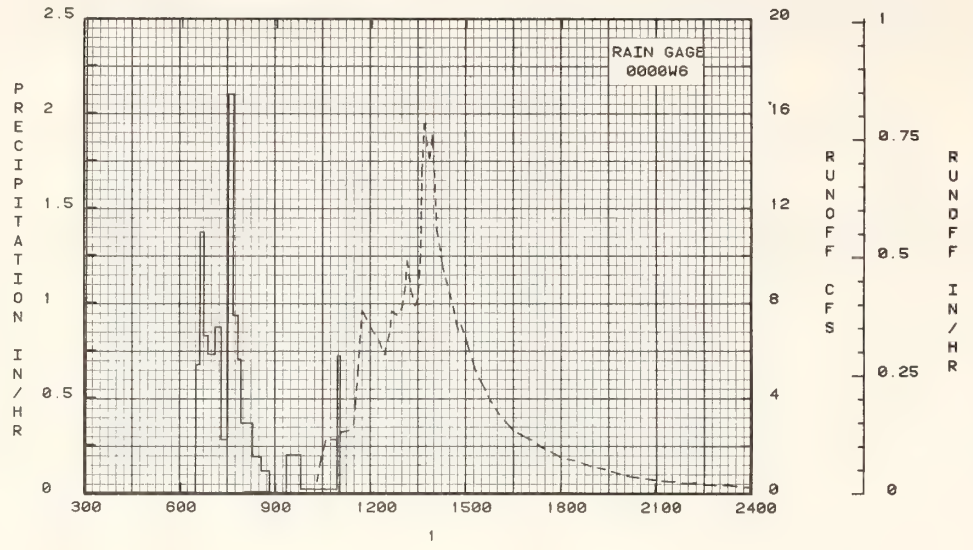
RIESEL (WACO), TEXAS WATERSHED W-10

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED W-10

EVENT OF APRIL 1, 1979

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
RG 0C00W6			RG 0000W6							
4- 1	0.0	0.002	4- 1	628	0.0	0.0	4- 1	1019	0.476	0.0
				636	0.6750	0.09		1027	1.518	0.0067
				643	1.3714	0.25		1035	2.195	0.0192
				651	0.8250	0.36		1045	2.227	0.0377
				705	0.7286	0.53		1057	2.211	0.0600
WATERSHED CONDITIONS:										
100% Coastal Bermudagrass				716	0.8727	0.69		1105	2.557	0.0760
pasture, 4 to 6 inches				729	0.2769	0.75		1119	2.626	0.1065
high, good cover.				739	2.1000	1.10		1128	2.887	0.1273
				748	0.9333	1.24		1131	3.723	0.1356
				754	0.7000	1.31		1136	5.107	0.1541
				817	0.3652	1.45		1140	6.644	0.1739
				833	0.1875	1.50		1143	7.681	0.1919
				849	0.1125	1.53		1152	7.304	0.2485
				802	0.0060	1.67		1200	6.934	0.2962
				921	0.0	1.67		1216	6.358	0.3855
				948	0.2000	1.76		1226	5.799	0.4365
				1057	0.0174	1.78		1235	6.692	0.4836
				1102	0.7200	1.84		1240	7.655	0.5137
								1249	7.479	0.5709
								1259	7.782	0.6349
								1305	8.692	0.6763
								1309	9.776	0.7073
								1316	8.533	0.7611
								1324	7.859	0.8161
								1329	8.168	0.8497
								1334	10.054	0.8880
								1336	13.546	0.9078
								1340	15.562	0.9566
								1346	14.622	1.0326
								1350	14.080	1.0807
								1356	15.073	1.1541
								1405	11.079	1.2529
								1418	9.309	1.3641
								1433	8.142	1.4739
								1446	8.837	1.5556
								1452	7.057	1.5905
								1504	6.216	1.6573
								1520	5.085	1.7332
								1531	4.593	1.7779
								1550	3.782	1.8446
								1605	3.267	1.8890
								1628	2.677	1.9463
								1646	2.423	1.9848
								1705	2.211	2.0218
								1729	1.853	2.0627
								1800	1.504	2.1064
								1827	1.354	2.1387
								1857	1.120	2.1699
								1924	0.985	2.1937
								1953	0.790	2.2153
								2015	0.672	2.2288

Conversion Factor: CFS to IN/HR, multiply by 0.050342.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS WATERSHED W-10

LOCATION: Falls Co., Texas; 17 mi. SE Waco; Brazos Basin. Lat. 31 deg. 28 min. 36 sec. N.; Long. 96 deg. 52 min. 36 sec. W.

AREA: 309.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED Y

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	2.87	3.26	5.37	1.18	2.74	6.29	0.29	1.53	2.20	1.87	4.90	2.60	35.10
	Q	0.0	0.043	2.444	0.0	0.0	0.488	0.0	0.0	0.0	0.0	0.0	0.035	3.010
1979	P	2.21	2.76	4.93	5.64	12.50	4.94	1.38	3.31	2.68	3.35	0.84	5.04	49.58
	Q	0.108	0.372	1.189	1.959	4.804	1.217	0.002	0.003	0.0	0.003	0.0	0.644	10.301
STA AV	P	2.14	2.55	2.50	3.98	4.04	3.50	1.81	2.15	2.84	3.05	2.77	2.41	33.71
	Q	0.495	0.562	0.643	0.841	0.805	0.593	0.152	0.043	0.150	0.227	0.335	0.420	5.265

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval: 1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	1.381	3- 6	1.154	3- 6	1.615	3- 6	2.213	3- 6	2.412	3- 6	2.437	3- 6	2.441	3- 6	2.444
1979	5-11	1.268	5-11	0.969	5-11	1.315	5-10	1.810	5-10	1.909	5-10	2.098	5-10	2.134	5-28	2.884
MAXIMUMS FOR PERIOD OF RECORD																
	4-19 1957	2.540	4-19 1957	2.150	4-19 1957	2.740	4-19 1957	3.480	4-19 1957	3.660	3-29 1965	3.980	11-22 1940	4.770	4-19 1957	9.360

Watershed Conditions: 1978 - 76% pasture; 6% cotton; 5% fall planted small grain, largely oats; 10% row grain sorghum; 1% gravel and paved roads; 2% other. Cropland terraced, contour cultivation. No change in conservation practices.
1979 - 76% pasture; 6% fall planted small grain, largely oats; 10% row grain sorghum; 1% gravel and paved roads; 7% other. Cropland terraced, contour cultivation. No change in conservation practices.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, USDA Misc. Pub. 1194, p. 42.11-5 (revised).
Precipitation: Records began May 1937. Data from Thiessen weighted method using rain gages 69, 69E, 70, 75A, 84A, 89, and W-2A.
Runoff: Records began May 1937. Station not in operation July 1943 to May 1, 1946. Part-year records not included in station averages.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS WATERSHED Y

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.46	1.02	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.01	0.0	0.0	0.94	0.0	0.0	0.0	0.0	0.0	0.17
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0
5	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.76	0.11	0.08	1.01	0.0
6	0.0	0.09	5.09	0.0	0.0	4.37	0.0	0.0	0.0	0.0 T	0.02	0.02
7	0.0	0.17	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.36	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0 T	0.0	0.0	0.0
9	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0
10	0.0	0.0	0.0	0.82	0.0	0.0	0.0	0.0	0.32	0.0	0.0	0.0
11	1.08	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.39	0.0	0.0	0.34	0.0	0.0	0.0	0.23	0.0	0.0	0.0
13	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.12	0.0
16	1.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.0
17	0.0	0.61	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.33	0.0
20	0.0	0.0	0.0	0.0	0.85	0.0	0.0	0.0	0.0	0.0	0.03	0.0
21	0.06	0.0	0.0	0.0	0.56	0.0	0.0	0.05	0.0	0.0	0.44	0.0
22	0.0	0.0	0.0	0.13	0.0 T	0.0	0.0	0.0	0.0	0.0	0.11	0.0
23	0.0	0.0	0.13	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.79	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.99	0.0
27	0.0	0.06	0.0	0.0	0.0	0.0	0.19	0.0	0.10	0.0	0.03	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
31	0.26		0.0		0.0		0.0	0.26		0.0		2.20
TOTAL	2.87	3.26	5.37	1.18	2.74	6.29	0.29	1.53	2.20	1.87	4.90	2.60
STA AV	2.14	2.54	2.43	3.93	3.81	3.46	1.82	2.11	2.84	3.04	2.82	2.34

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiesser weighted average of rain gages 69, 69B, 70, 75A, 84A, 89, and W-2A.
Station Averages: 37 yr beginning 1937 (part-year records not included). Station not in operation July 1943 to May 1, 1946.

1979	DAILY PRECIPITATION (INCHES)					RIESEL (WACO), TEXAS WATERSHED Y						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.49	0.83	0.72	0.0	0.28	0.0	0.0	0.0	0.0
2	0.0	0.02	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.20	0.14	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
5	0.10	0.42	0.0	0.0	0.0	0.99	0.0	0.0	0.0	0.0	0.0	0.0
6	0.03	0.53	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0
7	0.15	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.84	0.0	0.01	0.0	2.15	0.32	0.65	0.44	0.0	0.0	0.0	0.0
11	0.09	0.0	0.10	0.18	2.66	0.0	0.0	1.87	0.0	0.0	0.0	0.95
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.0	0.0
16	0.0	0.0	0.55	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0
17	0.01	0.03	0.0	0.66	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
18	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.20	0.0	0.26	0.0
19	0.10	0.0	0.95	0.89	0.0	0.0	0.0	0.0	1.31	0.0	0.0	0.0
20	0.23	0.0	0.02	0.0	0.0	0.0	0.13	0.0	0.15	0.0	0.0	0.0
21	0.0	0.0	0.42	0.0	0.87	0.0	0.0	0.0	0.0	0.0	0.38	0.69
22	0.0	0.01	0.57	0.0	1.37	0.0	0.0	0.63	0.0	0.74	0.0	0.62
23	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23
24	0.0	0.49	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.20	0.0
25	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.02	0.0	0.0	0.0	0.0	2.91	0.12	0.0	0.0	0.0	0.0	0.0
27	0.0	0.16	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.46	0.0	0.0	0.0	0.0	0.0	0.0	0.92
29	0.14		0.0	0.42	2.10	0.0	0.0	0.0	0.0	0.0	0.0	0.04
30	0.13		0.37	0.0	0.86	0.0	0.0	0.0	0.0	1.65	0.0	0.0
31	0.0		0.19		0.0		0.0	0.0		0.0		0.0
TOTAL	2.21	2.76	4.93	5.64	12.50	4.94	1.38	3.31	2.68	3.35	0.84	5.04
STA AV	2.14	2.55	2.50	3.98	4.04	3.50	1.81	2.15	2.84	3.05	2.77	2.41

Air Temperature. See table for Watershed C, p. 42.002-1.
Gaging: Thiesser weighted average of rain gages 69, 69B, 70, 75A, 84A, 89, and W-2A.
Station Averages: 38 yr beginning 1937 (part-year records not included). Station not in operation July 1943 to May 1, 1946.

1978	MEAN DAILY DISCHARGE (CFS)					RIESEL (WACC), TEXAS WATERSHED Y						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	27.868	0.0	0.0	4.556	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	3.791	0.0	0.0	0.896	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.032	0.0	0.0	0.883	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.009	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.449	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.011	0.012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.088	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.453
MEAN	0.0	0.0199	1.0235	0.0	0.0	0.2112	0.0	0.0	0.0	0.0	0.0	0.0146
INCHES	0.0	0.043	2.444	0.0	0.0	0.488	0.0	0.0	0.0	0.0	0.0	0.035
STA AV	0.505	0.567	0.628	0.810	0.697	0.577	0.156	0.044	0.154	0.233	0.344	0.414

Station Averages: 37 yr beginning 1937 (part-year records not included). Station not in operation July 1943 to May 1, 1946.
Conversion Factor: CFS to IN/DAY, multiply by 0.077028.

1979 MEAN DAILY DISCHARGE (CFS) PIESEL (WACO), TEXAS WATERSHED Y

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.014	0.0	0.002	21.853	0.671	4.600	0.0 T	0.0	0.0	0.0	0.0	0.0
2	0.001	0.0	0.013	0.668	0.076	0.521	0.0	0.0	0.0	0.0	0.0	0.0
3	0.002	0.0	0.148	0.232	0.046	0.176	0.0	0.0	0.0	0.0	0.0	0.0
4	0.001	0.091	0.005	0.148	0.061	0.098	0.0	0.0	0.0	0.0	0.0	0.0
5	0.019	1.185	0.001	0.082	0.015	4.866	0.0	0.0	0.0	0.0	0.0	0.0
6	0.006	3.164	0.001	0.063	0.008	0.306	0.0	0.0	0.0	0.0	0.0	0.0
7	0.003	0.170	0.001	0.072	0.005	0.101	0.0	0.0	0.0	0.0	0.0	0.0
8	0.005	0.019	0.001	0.099	0.003	0.063	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.001	0.001	0.050	0.002	0.049	0.0	0.0	0.0	0.0	0.0	0.0
10	0.775	0.001	0.001	0.062	0.449	0.154	0.029	0.0	0.0	0.0	0.0	0.0
11	0.516	0.0	0.001	0.065	26.921	0.036	0.0 T	0.035	0.0	0.0	0.0	0.042
12	0.015	0.0	0.001	0.031	0.453	0.023	0.0	0.001	0.0	0.0	0.0	0.066
13	0.002	0.0	0.0	0.022	0.094	0.019	0.0	0.0	0.0	0.0	0.0	0.047
14	0.0 T	0.001	0.0	0.019	0.063	0.015	0.0	0.0	0.0	0.0	0.0	0.002
15	0.0	0.0 T	0.713	0.016	0.048	0.009	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	1.676	0.014	0.040	0.005	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.365	0.117	0.036	0.003	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.126	0.094	0.025	0.001	0.0	0.0	0.0	0.0	0.0	0.0
19	0.002	0.0	3.241	1.245	0.021	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
20	0.042	0.0	1.812	0.212	0.022	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.004	0.002	2.221	0.071	0.225	0.0	0.0	0.0	0.0	0.0	0.0	0.010
22	0.0	0.005	3.747	0.052	5.127	0.0	0.0	0.0	0.0	0.0	0.0	1.864
23	0.0	0.009	0.194	0.040	0.334	0.0	0.0	0.0	0.0	0.0	0.0	4.176
24	0.0	0.157	0.161	0.026	0.062	0.0	0.0	0.0	0.0	0.0	0.0	0.219
25	0.0	0.013	0.140	0.014	0.037	0.0	0.0	0.0	0.0	0.0	0.0	0.014
26	0.0	0.001	0.127	0.007	0.034	4.566	0.0	0.0	0.0	0.0	0.0	0.004
27	0.0	0.0 T	0.118	0.008	0.034	0.155	0.0	0.0	0.0	0.0	0.0	0.003
28	0.0	0.010	0.136	0.005	1.839	0.019	0.0	0.0	0.0	0.0	0.0	1.026
29	0.0		0.149	0.038	17.874	0.008	0.0	0.0	0.0	0.0	0.0	0.795
30	0.0		0.172	0.013	7.024	0.004	0.0	0.0	0.0	0.044	0.0	0.067
31	0.0		0.158		0.823		0.0	0.0		0.0		0.022
MEAN	0.0454	0.1724	0.4978	0.8478	2.0119	0.5265	0.0010	0.0012	0.0	0.0014	0.0	0.2696
INCHES	0.108	0.372	1.189	1.959	4.804	1.217	0.002	0.003	0.0	0.003	0.0	0.644
STA AV	0.495	0.562	0.643	0.841	0.805	0.593	0.152	0.043	0.150	0.227	0.335	0.420

Station Averages: 38 yr beginning 1937 (part-year records not included). Station not in operation July 1943 to May 1, 1946.
Conversion Factor: CFS to IN/DAY, multiply by 0.077028.

1978 SELECTED RUNOFF EVENT PIESEL (WACO), TEXAS WATERSHED Y

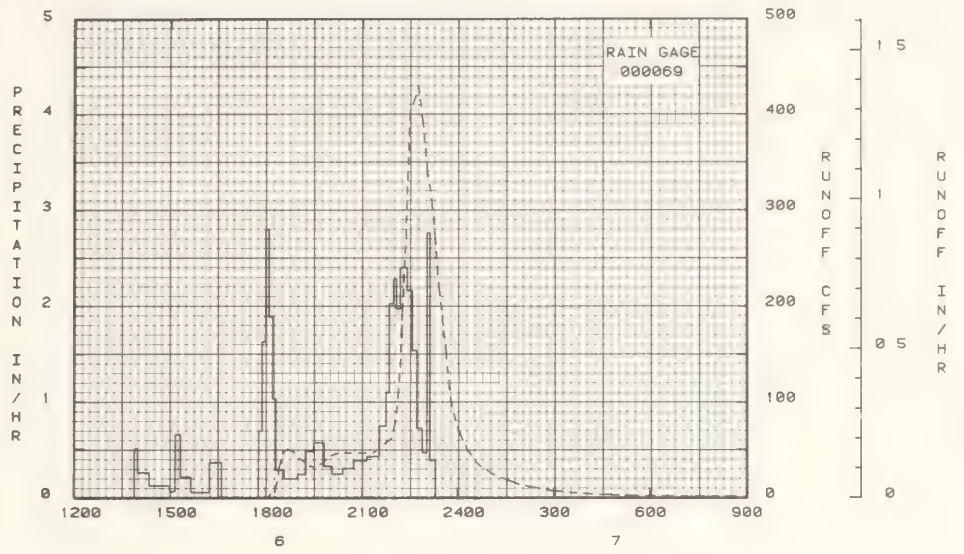
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978							
RG 000069				RG 000069						
3- 6	0.0	0.0	3- 6	1352	0.0	0.0	3- 6	1658	0.0	0.0
				1359	0.5143	0.06		1723	0.001	0.0
				1420	0.2571	0.15		1741	0.015	0.0000
				1459	0.1231	0.23		1755	0.079	0.0000
				1509	0.0600	0.24		1804	0.560	0.0002
WATERSHED CONDITIONS: 76% pasture, Bermudagrass and native grass, good cover, moderately grazed; 5% fall planted oats; 10% row grain sorghum; 6% cotton; 1% gravel roads and 2% other. Cropland terraced, cultivated on contour.				1519	0.6600	0.35		1810	3.955	0.0009
				1539	0.2100	0.42		1817	5.872	0.0028
				1614	0.0514	0.45		1821	16.677	0.0052
				1637	0.3652	0.59		1824	29.868	0.0089
				1702	0.0	0.59		1829	39.211	0.0181
				1713	0.0	0.59		1835	48.886	0.0323
				1746	0.0	0.59		1841	50.934	0.0483
				1752	0.7000	0.66		1846	49.756	0.0618
				1759	1.6286	0.85		1854	46.434	0.0823
				1805	2.8000	1.13		1903	40.955	0.1034
				1812	1.8857	1.35		1914	36.273	0.1261
				1819	1.0286	1.47		1921	32.563	0.1390
				1834	0.2800	1.54		1928	31.926	0.1511
				1859	0.1920	1.62		1943	35.280	0.1780
				1914	0.2400	1.68		1952	39.786	0.1961
				1929	0.4800	1.80		2004	43.986	0.2230
				1949	0.5700	1.99		2013	46.434	0.2448
				2004	0.3200	2.07		2121	46.806	0.4143
				2024	0.2400	2.15		2156	62.247	0.5164
				2044	0.3000	2.25		2203	80.718	0.5432
				2109	0.3840	2.41		2208	106.624	0.5682
				2133	0.4250	2.58		2212	144.877	0.5951
				2145	0.7500	2.73		2213	170.839	0.6036
				2151	1.1000	2.84		2215	191.567	0.6230
				2159	2.0250	3.11		2216	202.654	0.6335

Conversion Factor: CFS to IN/HR, multiply by 0.0032095.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED Y

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2204	2.2800	3.30	3- 6	2222	272.169	0.7097
				2211	1.9714	3.53		2225	340.311	0.7589
				2217	2.4000	3.77		2228	385.675	0.8171
				2224	2.4000	4.05		2230	404.841	0.8594
				2234	2.1600	4.41		2240	420.270	1.0801
				2243	1.5333	4.64		2245	430.156	1.1938
				2253	0.7200	4.76		2253	393.613	1.3701
				2302	0.4667	4.83		2302	341.886	1.5471
				2307	2.7600	5.06		2311	307.443	1.7034
				2318	0.3818	5.13		2318	263.867	1.8104
								2322	231.893	1.8634
								2326	210.736	1.9108
								2338	152.052	2.0272
								2344	112.530	2.0697
								2349	94.716	2.0974
								2400	72.828	2.1467
							3- 7	9	60.319	2.1787
								18	49.951	2.2052
								25	43.986	2.2228
								34	37.050	2.2423
								43	32.349	2.2591
								109	23.094	2.2976
								133	18.117	2.3241
								154	13.862	2.3420
								213	11.313	2.3548
								233	9.324	2.3658
								253	7.372	2.3748
								316	5.941	2.3830
								343	4.714	2.3906
								412	3.805	2.3973
								437	2.997	2.4018
								500	2.597	2.4052
								539	1.849	2.4099
								610	1.610	2.4128
								628	1.514	2.4143
								644	1.401	2.4155
								728	1.244	2.4186
								828	0.996	2.4222
								858	0.885	2.4237
								1046	0.681	2.4282
								1439	0.301	2.4344
								1858	0.123	2.4373
								2202	0.073	2.4383
								2400	0.061	2.4387

Conversion Factor: CFS to IN/HR, multiply by 0.0082095.



EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED Y

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED Y

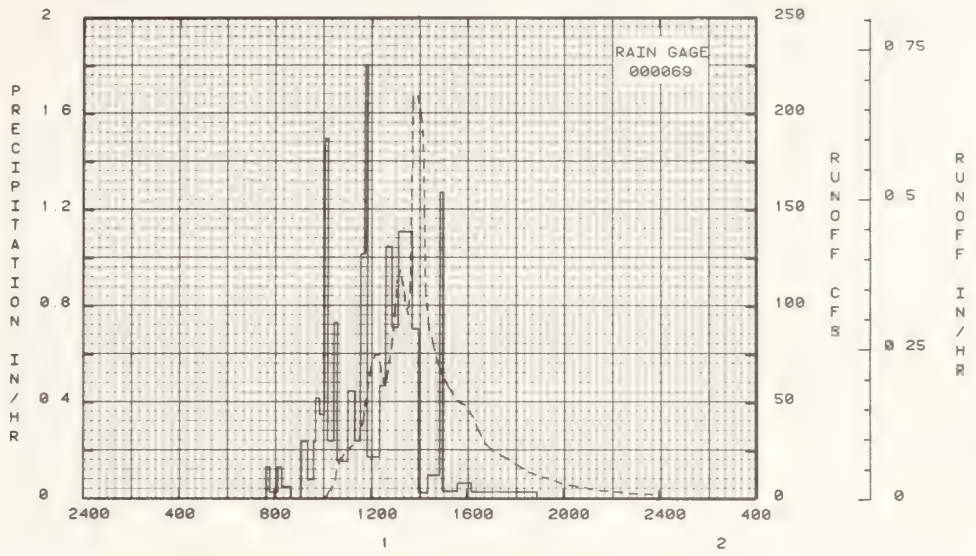
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
RG 000069			RG 000069							
4- 1	0.0	0.004	4- 1	137	0.0	0.0	4- 1	910	0.135	0.0
				208	0.0	0.0		916	0.156	0.0001
				738	0.0	0.0		921	0.179	0.0001
				747	0.1333	0.02		928	0.187	0.0002
				808	0.0286	0.03		938	0.210	0.0003
WATERSHED CONDITIONS:										
76% pasture, Bermudagrass				817	0.1333	0.05		944	0.267	0.0003
and native grass, good				841	0.0500	0.07		950	0.363	0.0004
cover, moderately grazed;				907	0.0	0.07		959	0.543	0.0007
6% fall planted oats; 10%				922	0.2400	0.13		1004	0.801	0.0008
row grain sorghum; 1%				937	0.0800	0.15		1008	1.464	0.0011
gravel roads and 7% other.										
Cropland terraced, cultivated				942	0.2400	0.17		1011	1.926	0.0014
on contour.				952	0.4200	0.24		1015	4.126	0.0020
				1004	0.3500	0.31		1020	5.071	0.0032
				1012	1.5000	0.51		1024	6.817	0.0045
				1027	0.2400	0.57		1031	9.995	0.0077
				1036	0.7333	0.68		1035	14.999	0.0103
				1103	0.1556	0.75		1042	20.192	0.0169
				1119	0.4500	0.87		1053	23.260	0.0297
				1134	0.2400	0.93		1102	25.152	0.0413
				1144	1.0200	1.10		1114	28.230	0.0585
				1151	1.8000	1.31		1130	30.816	0.0837
				1222	0.1742	1.40		1141	41.039	0.1049
				1236	0.4714	1.51		1153	60.656	0.1375
				1252	1.0500	1.79		1201	69.662	0.1654
				1308	0.7125	1.98		1210	75.172	0.2003
				1342	1.1118	2.61		1218	74.646	0.2323
				1359	0.7059	2.81		1226	66.478	0.2625
				1422	0.0261	2.82		1233	59.872	0.2862
				1452	0.1000	2.87		1244	66.961	0.3235
				1500	1.2750	3.04		1252	79.888	0.3549

Conversion Factor: CFS to IN/HR, multiply by 0.0032095.

1979 SELECTED RUNOFF EVENT — RIESEL (WACC), TEXAS WATERSHED Y

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
			4- 1	1537	0.0324	3.06	4- 1	1259	97.876	0.3882
				1612	0.0686	3.10		1306	113.775	0.4278
				1855	0.0294	3.18		1313	119.041	0.4714
								1319	111.295	0.5084
								1326	102.760	0.5485
								1331	97.238	0.5752
								1333	96.128	0.5855
								1338	112.885	0.6135
								1340	138.619	0.6269
								1344	209.601	0.6642
								1355	209.827	0.7876
								1407	195.432	0.9177
								1411	175.218	0.9573
								1413	146.116	0.9745
								1416	108.855	0.9950
								1423	91.175	1.0324
								1435	80.718	1.0876
								1445	72.443	1.1285
								1457	65.401	1.1728
								1512	59.095	1.2227
								1526	54.278	1.2652
								1539	50.539	1.3016
								1556	48.694	1.3467
								1616	42.321	1.3954
								1629	35.888	1.4226
								1647	28.682	1.4537
								1707	24.800	1.4823
								1725	22.708	1.5052
								1745	20.393	1.5283
								1801	18.210	1.5448
								1819	15.822	1.5612
								1834	13.976	1.5731
								1853	12.540	1.5866
								1908	11.444	1.5962
								1923	10.702	1.6051
								1940	9.409	1.6142
								1957	7.991	1.6221
								2018	7.264	1.6307
								2037	6.440	1.6376
								2056	5.895	1.6439
								2113	5.071	1.6489
								2131	4.618	1.6536
								2153	4.268	1.6588
								2210	3.724	1.6624
								2230	3.412	1.6662
								2248	3.065	1.6694
								2307	2.772	1.6723
								2325	2.609	1.6749
								2342	2.453	1.6772
								2400	2.086	1.6794

Conversion Factor: CFS to IN/HR, multiply by 0.0032095.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS WATERSHED Y

LOCATION: Falls Co., Texas; 18 mi. SE Waco; Brazos River Basin. Lat. 31 deg. 28 min. 30 sec. N.; Long. 96 deg. 52 min. 46 sec. W.

AREA: 132.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED Y-2

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.93	3.26	5.45	1.20	2.69	6.63	0.32	1.52	2.18	1.86	5.01	2.66	35.71
1978	Q	0.0	0.027	2.980	0.0	0.0	1.266	0.0	0.0	0.0	0.0	0.0	0.023	4.296
	P	2.34	2.95	5.10	5.74	12.56	4.94	1.36	3.30	2.76	3.57	0.82	5.28	50.72
1979	Q	0.120	0.347	1.213	2.730	6.355	1.344	0.0	0.0	0.0	0.000	0.0	0.748	12.856
STA AV	P	2.16	2.61	2.69	4.05	4.41	3.44	1.83	2.15	2.91	3.01	2.90	2.53	34.70
	Q	0.427	0.585	0.761	0.961	1.132	0.631	0.153	0.042	0.146	0.263	0.349	0.495	5.943

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	1.992	3- 6	1.590	3- 6	2.258	3- 6	2.811	3- 6	2.962	3- 6	2.978	3- 6	2.980	3- 1	2.980
1979	5-11	1.722	5-11	1.345	5-11	1.998	5-10	2.629	5-10	2.694	5-10	2.908	5-10	2.935	5-28	3.679
MAXIMUMS FOR PERIOD OF RECORD																
	5- 1 1944	4.070	5- 1 1944	3.110	5- 1 1944	5.470	5- 1 1944	7.080	5- 1 1944	7.280	5- 1 1944	7.460	4-30 1944	9.640	4-29 1944	10.600

Watershed Conditions: 1978 - 13% cotton; 12% fall planted small grain, largely oats; 15% row grain sorghum; 59% pasture; 1% gravel and paved roads. Cropland terraced, contour cultivation, conservation treatment since 1942.
1979 - 15% fall planted small grain, largely oats; 13% row grain sorghum; 59% pasture; 12% other; 1% gravel and paved roads. Cropland terraced, contour cultivation, conservation treatment since 1942.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, USDA Misc. Pub. 1194, p. 42.11-5 (revised).
Precipitation: Records began Jan. 1, 1939. Data from Thiessen weighted method using rain gages 69, 69B, 70, 75A, and 84A.
Runoff: Records began Jan. 1, 1939.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS WATERSHED Y-2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.46	0.98	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	0.86	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.01	0.0	0.0	0.99	0.0	0.0	0.0	0.0	0.0	0.17
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0
5	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.77	0.21	0.08	1.01	0.0
6	0.0	0.09	5.18	0.0	0.0	4.61	0.0	0.0	0.0	0.0 T	0.01	0.02
7	0.0	0.17	0.0	0.0	0.0	0.74	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.36	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0.0	0.0	0.0
9	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0
10	0.0	0.0	0.0	0.85	0.0	0.0	0.0	0.0	0.32	0.0	0.0	0.0
11	1.11	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.41	0.0	0.0	0.31	0.0	0.0	0.0	0.23	0.0	0.0	0.0
13	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.12	0.0
16	1.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.86	0.0
17	0.0	0.59	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.39	0.0
20	0.0	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0	0.0	0.04	0.0
21	0.06	0.0	0.0	0.0	0.53	0.0	0.0	0.06	0.0	0.0	0.44	0.0
22	0.0	0.0	0.0	0.12	0.0 T	0.0	0.0	0.0	0.0	0.0	0.12	0.0
23	0.0	0.0	0.12	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.78	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
27	0.0	0.06	0.0	0.0	0.0	0.0	0.19	0.0	0.10	0.0	0.02	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12
31	0.28		0.0		0.0		0.0	0.23		0.0		2.29
TOTAL	2.93	3.26	5.45	1.20	2.69	6.63	0.32	1.52	2.18	1.86	5.01	2.66
STA AV	2.16	2.60	2.63	4.01	4.20	3.40	1.84	2.12	2.91	3.00	2.95	2.47

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiessen weighted average of rain gages 69, 69B, 70, 75A, and 84A.
Station Averages: 40 yr beginning 1939.

1979 DAILY PRECIPITATION (INCHES) BIESEL (WACO), TEXAS WATERSHED Y-2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.50	0.83	0.77	0.0	0.26	0.0	0.0	0.0	0.0
2	0.0	0.04	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.18	0.15	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
5	0.11	0.43	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
6	0.04	0.58	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
7	0.16	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.00	0.0	0.02	0.0	2.15	0.34	0.63	0.48	0.0	0.0	0.0	0.0
11	0.0	0.0	0.09	0.18	2.60	0.0	0.0	1.85	0.0	0.0	0.0	1.04
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.33	0.0	0.0	0.0	0.0	0.0	0.0	1.13	0.0	0.0
16	0.0	0.0	0.57	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0
17	0.02	0.07	0.0	0.71	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
18	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.22	0.0	0.24	0.0
19	0.09	0.0	0.98	0.93	0.0	0.0	0.0	0.0	1.43	0.0	0.0	0.0
20	0.23	0.0	0.01	0.0	0.0	0.0	0.13	0.0	0.09	0.0	0.0	0.0
21	0.0	0.0	0.41	0.0	0.87	0.0	0.0	0.0	0.0	0.0	0.36	0.69
22	0.0	0.02	0.62	0.0	1.43	0.0	0.0	0.63	0.0	0.77	0.0	0.61
23	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.29
24	0.0	0.54	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.22	0.0
25	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.02	0.0	0.0	0.0	0.0	2.83	0.14	0.0	0.0	0.0	0.0	0.0
27	0.0	0.18	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.45	0.0	0.0	0.0	0.0	0.0	0.0	0.97
29	0.14		0.0	0.42	2.17	0.0	0.0	0.0	0.0	0.0	0.0	0.07
30	0.12		0.41	0.0	0.86	0.0	0.0	0.0	0.0	1.67	0.0	0.0
31	0.0		0.19		0.0		0.0	0.0		0.0		0.0
TOTAL	2.34	2.95	5.10	5.74	12.56	4.94	1.36	3.30	2.76	3.57	0.82	5.28
STA AV	2.16	2.61	2.69	4.05	4.41	3.44	1.83	2.15	2.91	3.01	2.90	2.53

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiesser weighted average of rain gages 69, 69B, 70, 75A, and 84A.
Station Averages: 41 yr beginning 1939.

1978 MEAN DAILY DISCHARGE (CFS) BIESEL (WACO), TEXAS WATERSHED Y-2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	15.159	0.0	0.0	3.276	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	1.362	0.0	0.0	0.663	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.006	0.0	0.0	3.081	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.074	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.069	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.129
MEAN	0.0	0.0053	0.5332	0.0	0.0	0.2340	0.0	0.0	0.0	0.0	0.0	0.0042
INCHES	0.0	0.027	2.980	0.0	0.0	1.266	0.0	0.0	0.0	0.0	0.0	0.023
STA AV	0.435	0.591	0.749	0.916	1.001	0.613	0.157	0.043	0.149	0.269	0.358	0.489

Station Averages: 40 yr beginning 1939.
Conversion Factor: CFS to IN/DAY, multiply by 0.180316.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACC), TEXAS WATERSHED Y-2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.006	0.0	0.0 T	13.911	0.275	2.357	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.001	0.267	0.014	0.194	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.058	0.081	0.010	0.044	0.0	0.0	0.0	0.0	0.0	0.0
4	0.002	0.042	0.001	0.032	0.022	0.017	0.0	0.0	0.0	0.0	0.0	0.0
5	0.007	0.538	0.0	0.010	0.004	2.344	0.0	0.0	0.0	0.0	0.0	0.0
6	0.001	1.210	0.0	0.008	0.001	0.099	0.0	0.0	0.0	0.0	0.0	0.0
7	0.001	0.047	0.0	0.009	0.0	0.015	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.002	0.0	0.014	0.0	0.007	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.006	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0
10	0.412	0.0	0.0	0.007	0.078	0.055	0.0	0.0	0.0	0.0	0.0	0.0
11	0.213	0.0	0.0	0.008	16.057	0.007	0.0	0.0	0.0	0.0	0.0	0.0
12	0.003	0.0	0.0	0.004	0.145	0.005	0.0	0.0	0.0	0.0	0.0	0.007
13	0.0	0.0	0.0	0.001	0.011	0.004	0.0	0.0	0.0	0.0	0.0	0.014
14	0.0	0.0	0.0	0.0 T	0.006	0.002	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.324	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.648	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.137	0.028	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.032	0.020	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0 T	0.0	1.593	0.630	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.019	0.001	0.705	0.070	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0 T	0.0 T	1.088	0.014	0.087	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0 T	1.913	0.009	2.774	0.0	0.0	0.0	0.0	0.0	0.0	0.884
23	0.0	0.001	0.023	0.006	0.132	0.0	0.0	0.0	0.0	0.0	0.0	2.361
24	0.0	0.068	0.008	0.001	0.017	0.0	0.0	0.0	0.0	0.0	0.0	0.072
25	0.0	0.011	0.009	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.001
26	0.0	0.0	0.005	0.0	0.009	2.255	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.005	0.0	0.009	0.041	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.002	0.009	0.0	1.015	0.0 T	0.0	0.0	0.0	0.0	0.0	0.461
29	0.0		0.011	0.004	10.710	0.0	0.0	0.0	0.0	0.0	0.0	0.328
30	0.0		0.076	0.0	3.623	0.0	0.0	0.0	0.0	0.001	0.0	0.018
31	0.0		0.078		0.230		0.0	0.0		0.0		0.004
MEAN	0.0214	0.0687	0.2169	0.5047	1.1370	0.2484	0.0	0.0	0.0	0.0	0.0	0.1339
INCHES	0.120	0.347	1.213	2.730	6.355	1.344	0.0	0.0	0.0	0.000	0.0	0.748
STA AV	0.427	0.585	0.761	0.961	1.132	0.631	0.153	0.042	0.146	0.263	0.349	0.495

Station Averages: 41 yr beginning 1939.
Conversion Factor: CFS to IN/DAY, multiply by 0.180316.

1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS WATERSHED Y-2

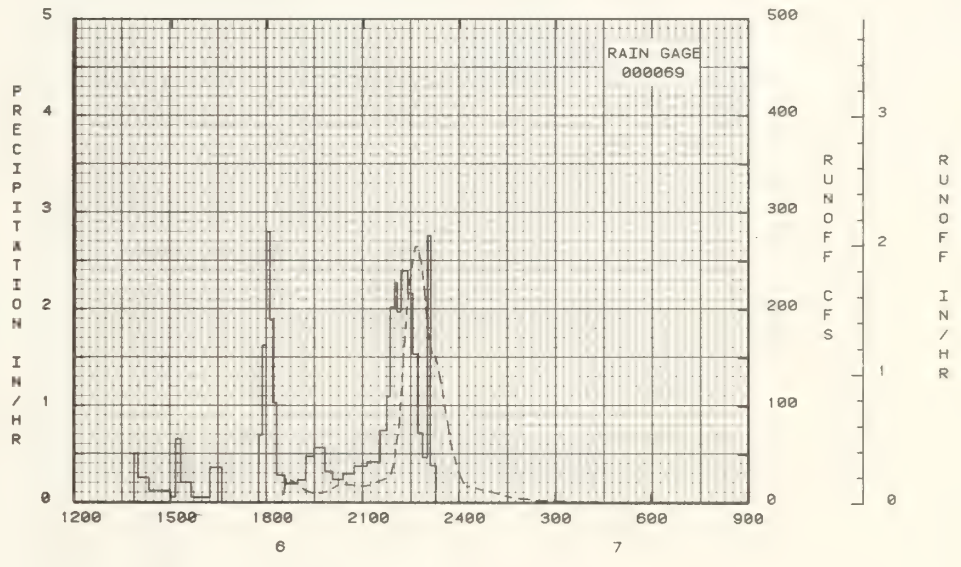
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF MARCH 6 - 7, 1978										
RG 0C0069				RG 000069						
3- 6	0.0	0.0	3- 6	1352	0.0	0.0	3- 6	1819	0.0	0.0
				1359	0.5143	0.06		1832	1.531	0.0012
				1420	0.2571	0.15		1833	11.586	0.0021
				1459	0.1231	0.23		1837	24.741	0.0112
				1509	0.0600	0.24		1846	23.497	0.0384
WATERSHED CONDITIONS: 59% pasture, Bermudagrass and native grass, good cover, moderately grazed; 13% cotton; 12% fall planted oats; 15% row grain sorghum; 1% gravel roads. Cropland terraced, cultivated on contour.				1519	0.6600	0.35		1857	19.145	0.0677
				1539	0.2100	0.42		1912	12.875	0.0978
				1614	0.0514	0.45		1929	9.651	0.1218
				1637	0.3652	0.59		1939	9.898	0.1340
				1702	0.0	0.59		1953	12.064	0.1533
				1713	0.0	0.59		2004	15.249	0.1721
				1746	0.0	0.59		2013	18.140	0.1909
				1752	0.7000	0.66		2028	19.335	0.2261
				1759	1.6286	0.85		2045	17.707	0.2655
				1805	2.8000	1.13		2058	17.034	0.2938
				1812	1.8857	1.35		2114	18.640	0.3295
				1819	1.0286	1.47		2128	22.344	0.3654
				1834	0.2800	1.54		2143	25.231	0.4101
				1859	0.1920	1.62		2153	29.873	0.4446
				1914	0.2400	1.68		2158	40.420	0.4666
				1929	0.4800	1.80		2208	81.095	0.5427
				1949	0.5700	1.99		2213	118.676	0.6052
				2004	0.3200	2.07		2216	147.017	0.6551
				2024	0.2400	2.15		2218	164.968	0.6942
				2044	0.3000	2.25		2223	202.814	0.8093
				2109	0.3840	2.41		2228	228.348	0.9443
				2133	0.4250	2.58		2234	251.847	1.1247
				2145	0.7500	2.73		2238	265.003	1.2541
				2151	1.1000	2.84		2242	265.174	1.3869
				2159	2.0250	3.11		2250	246.096	1.6430

Conversion Factor: CFS to IN/HR, multiply by 0.00751318.

1978 SELECTED RUNOFF EVENT — RIESPL (WACO), TEXAS WATERSHED Y-2

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2204	2.2800	3.30	3- 6	2256	216.375	1.8167
				2211	1.9714	3.53		2300	190.175	1.9186
				2217	2.4000	3.77		2302	176.826	1.9645
				2224	2.4000	4.05		2310	154.518	2.1305
				2234	2.1600	4.41		2317	150.955	2.2644
				2243	1.5333	4.64		2327	123.327	2.4361
				2253	0.7200	4.76		2334	100.043	2.5340
				2302	0.4667	4.83		2340	79.153	2.6013
				2307	2.7600	5.06		2345	62.088	2.6455
				2318	0.3818	5.13		2356	39.670	2.7156
								2400	31.536	2.7334
							3- 7	9	20.494	2.7628
								15	16.611	2.7767
								20	17.282	2.7873
								35	14.845	2.8175
								44	13.298	2.8333
								101	11.784	2.8600
								114	9.362	2.8772
								130	6.998	2.8936
								139	5.897	2.9009
								159	4.070	2.9134
								231	2.846	2.9272
								305	1.970	2.9375
								339	1.413	2.9447
								420	1.054	2.9510
								510	0.752	2.9567
								600	0.570	2.9608
								635	0.504	2.9632

Conversion Factor: CFS to IN/HR, multiply by 0.00751318.



EVENT OF MARCH 6 - 7, 1978

RIESPL (WACO), TEXAS WATERSHED Y-2

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED Y-2

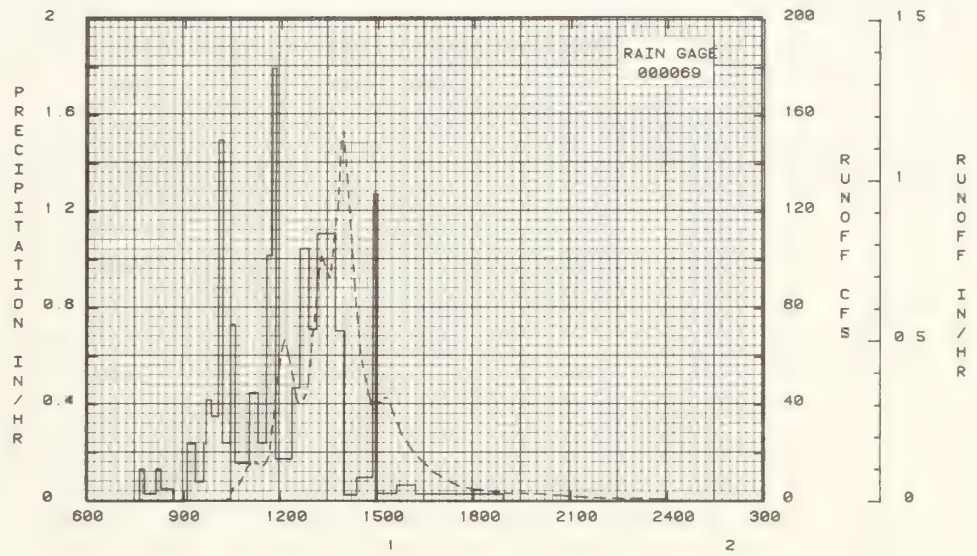
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF APRIL 1, 1979						
RG 000069				RG 000069						
4- 1	0.0	0.004	4- 1	137	0.0	0.0	4- 1	855	0.068	0.0
				208	0.0	0.0		1016	0.163	0.0012
				738	0.0	0.0		1024	1.153	0.0018
				747	0.1333	0.02		1028	3.438	0.0030
				808	0.0286	0.03		1033	5.699	0.0058
WATERSHED CONDITIONS: 59% pasture, Bermudagrass and native grass, good cover, moderately grazed; 12% other; 15% fall planted oats; 13% row grain sorghum; 1% gravel roads. Cropland terraced, cultivated on contour.				817	0.1333	0.05		1043	6.872	0.0137
				841	0.0500	0.07		1051	10.450	0.0224
				907	0.0	0.07		1057	13.762	0.0315
				922	0.2400	0.13		1105	15.659	0.0462
				937	0.0800	0.15		1113	15.777	0.0620
				942	0.2400	0.17		1121	15.483	0.0776
				952	0.4200	0.24		1130	14.728	0.0947
				1004	0.3500	0.31		1139	18.829	0.1136
				1012	1.5000	0.51		1146	31.460	0.1356
				1027	0.2400	0.57		1152	45.818	0.1646
				1036	0.7333	0.68		1200	59.170	0.2172
				1103	0.1556	0.75		1204	64.062	0.2481
				1119	0.4500	0.87		1208	67.268	0.2810
				1134	0.2400	0.93		1214	62.088	0.3296
				1144	1.0200	1.10		1218	57.158	0.3594
				1151	1.8000	1.31		1221	54.050	0.3803
				1222	0.1742	1.40		1224	49.826	0.3998
				1236	0.4714	1.51		1229	43.991	0.4292
				1252	1.0500	1.79		1233	40.756	0.4504
				1308	0.7125	1.98		1244	42.447	0.5077
				1342	1.1118	2.61		1248	44.510	0.5295
				1359	0.7059	2.81		1252	50.007	0.5532
				1422	0.0261	2.82		1257	62.678	0.5884
				1452	0.1000	2.87		1306	81.420	0.6696
				1500	1.2750	3.04		1310	93.792	0.7135
				1537	0.0324	3.06		1316	101.923	0.7870
				1612	0.0686	3.10		1322	97.594	0.8620
				1855	0.0294	3.18		1328	94.021	0.9340
								1332	92.651	0.9807
								1339	108.607	1.0689
								1347	124.341	1.1856
								1350	140.186	1.2353
								1353	149.593	1.2897
								1356	153.831	1.3467
								1403	134.521	1.4731
								1411	110.060	1.5956
								1418	87.135	1.6820
								1424	73.852	1.7425
								1429	61.305	1.7848
								1434	55.267	1.8213
								1443	45.556	1.8781
								1449	39.919	1.9102
								1456	41.429	1.9459
								1507	40.672	2.0024
								1514	42.960	2.0391
								1519	42.960	2.0659
								1532	35.357	2.1297
								1547	27.226	2.1885
								1607	20.689	2.2485
								1621	17.278	2.2817
								1635	14.384	2.3095
								1647	11.798	2.3292
								1701	9.998	2.3483
								1718	7.760	2.3672
								1734	6.150	2.3811
								1759	4.950	2.3985
								1818	4.497	2.4097
								1836	3.954	2.4192
								1847	3.744	2.4245
								1859	3.371	2.4299
								2000	3.169	2.4548
								2015	2.899	2.4605
								2033	2.484	2.4666
								2054	2.196	2.4728
								2113	1.908	2.4776

Conversion Factor: CFS to IN/HR, multiply by 0.00751318.

1979 SELECTED RUNOFF EVENT — RIESEL (WACC), TEXAS WATERSHED Y-2

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
							4- 1	2132	1.645	2.4819
								2148	1.544	2.4851
								2205	1.413	2.4882
								2222	1.346	2.4911
								2238	1.218	2.4937
								2256	1.120	2.4963
								2313	1.047	2.4987
								2337	0.931	2.5016
								2400	0.938	2.5043

Conversion Factor: CFS to IN/HR, multiply by 0.00751318.



EVENT OF APRIL 1, 1979

RIESEL (WACC), TEXAS WATERSHED Y-2

LOCATION: Falls Co., Texas; 18 mi. SE of Waco,; Brazos River Basin. lat. 31 deg. 28 min. 26 sec. N.; Long. 96 deg. 53 min. 09 sec. W.

AREA: 16.30 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) RIESEL (WACO), TEXAS WATERSHED Y-6

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.86	3.29	5.34	1.21	2.62	6.76	0.35	1.49	2.12	1.84	5.17	2.66	35.73
1978	Q	0.0	0.002	1.659	0.0	0.0	0.043	0.0	0.0	0.0	0.0	0.0	0.000	1.704
	P	2.43	3.11	5.30	5.83	12.59	5.05	1.35	3.31	2.79	3.70	0.81	5.42	51.69
1979	Q	0.113	0.203	0.581	1.650	4.210	0.730	0.0	0.351	0.0	0.034	0.0	0.739	8.611
STA AV	P	2.03	2.62	2.46	4.02	4.09	3.61	1.83	2.20	2.95	3.24	2.87	2.38	34.31
	Q	0.275	0.372	0.421	0.710	0.799	0.563	0.144	0.055	0.125	0.327	0.325	0.341	4.455

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	1.457	3- 6	1.099	3- 6	1.389	3- 6	1.603	3- 6	1.657	3- 6	1.659	3- 5	1.659	2-27	1.659
1979	5-11	1.636	5-11	0.948	5-10	1.310	5-10	1.709	5-10	1.739	5-10	1.873	5-28	2.008	5-28	2.646
MAXIMUMS FOR PERIOD OF RECORD																
	6-10	3.790	3-29	1.900	3-29	2.340	3-29	2.950	3-29	3.130	3-29	3.670	11-22	4.870	4-19	8.490
	1941		1965		1965		1965		1965		1965		1940		1957	

Watershed Conditions: 1978 - 94% fall planted oats; 4% other; 2% gravel roads. Cropland terraced and contour tilled; no change in conservation practices.
1979 - 94% idle cropland; 4% other; 2% gravel roads. Cropland terraced and contour tilled; no change in conservation practices.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, USDA Misc. Pub. 1194, p. 42.11-5 (revised).
Precipitation: Records began Jan. 1939. Data from Thiessen weighted method using rain gages 69B and 75A.
Runoff: Records began Jan. 1939. Station not in operation July 1943 to May 1, 1947. Part-year records not included in station averages.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS WATERSHED Y-6

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.46	1.00	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.96	0.0	0.0	0.0	0.0	0.0	0.17
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.74	0.32	0.10	1.02	0.0
6	0.0	0.10	5.09	0.0	0.0	4.76	0.0	0.0	0.0	0.0	0.0	0.02
7	0.0	0.18	0.0	0.0	0.0	0.73	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.37	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0
10	0.0	0.0	0.0	0.87	0.0	0.0	0.0	0.0	0.31	0.0	0.0	0.0
11	1.12	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.40	0.0	0.0	0.31	0.0	0.0	0.0	0.21	0.0	0.0	0.0
13	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.14	0.0
16	1.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	0.0
17	0.0	0.58	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.41	0.0
20	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.06	0.0
21	0.07	0.0	0.0	0.0	0.51	0.0	0.0	0.06	0.0	0.0	0.50	0.0
22	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0
23	0.0	0.0	0.12	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.74	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.03	0.0
27	0.0	0.06	0.0	0.0	0.0	0.0	0.20	0.0	0.10	0.0	0.02	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
31	0.29		0.0		0.0		0.0	0.23		0.0		2.30
TOTAL	2.88	3.29	5.34	1.21	2.62	6.76	0.35	1.49	2.12	1.84	5.17	2.66
STA AV	2.02	2.61	2.38	3.97	3.84	3.57	1.85	2.17	2.96	3.23	2.93	2.29

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiesser weighted average of rain gages 69B and 75A.
Station Averages: 35 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to May 1, 1947.

1979	DAILY PRECIPITATION (INCHES)						BIESEL (WACO), TEXAS		WATERSHED Y-6			
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.52	0.82	0.85	0.0	0.28	0.0	0.0	0.0	0.0
2	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.21	0.16	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
5	0.10	0.45	0.0	0.0	0.0	1.01	0.0	0.0	0.0	0.0	0.0	0.0
6	0.04	0.63	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
7	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.08	0.0	0.0	0.0	2.09	0.34	0.63	0.51	0.0	0.0	0.0	0.0
11	0.0	0.0	0.12	0.19	2.67	0.0	0.0	1.92	0.0	0.0	0.0	1.08
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.33	0.0	0.0	0.0	0.0	0.0	0.0	1.20	0.0	0.0
16	0.0	0.0	0.57	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0
17	0.03	0.08	0.0	0.74	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0
18	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.22	0.0	0.25	0.0
19	0.08	0.0	1.03	0.91	0.0	0.0	0.0	0.0	1.49	0.0	0.0	0.0
20	0.24	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.06	0.0	0.0	0.0
21	0.0	0.0	0.42	0.0	0.86	0.0	0.0	0.0	0.0	0.0	0.34	0.67
22	0.0	0.02	0.65	0.0	1.46	0.0	0.0	0.56	0.0	0.80	0.0	0.59
23	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.34
24	0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.22	0.0
25	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.02	0.0	0.0	0.0	0.0	2.85	0.15	0.0	0.0	0.0	0.0	0.0
27	0.0	0.18	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.43	0.0	0.0	0.0	0.0	0.0	0.0	1.04
29	0.14		0.0	0.47	2.16	0.0	0.0	0.0	0.0	0.0	0.0	0.08
30	0.11		0.46	0.0	0.89	0.0	0.0	0.0	0.0	1.70	0.0	0.0
31	0.0		0.19		0.0		0.0	0.0		0.0		0.0
TOTAL	2.43	3.11	5.30	5.83	12.59	5.05	1.35	3.31	2.79	3.70	0.81	5.42
STA AV	2.03	2.62	2.46	4.02	4.09	3.61	1.83	2.20	2.95	3.24	2.87	2.38

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiesser weighted average of rain gages 69B and 75A.
Station Averages: 36 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to May 1, 1947.

1978	MEAN DAILY DISCHARGE (CFS)						BIESEL (WACO), TEXAS		WATERSHED Y-6			
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	1.028	0.0	0.0	0.024	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.108	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0 1
MEAN	0.0	0.0	0.0366	0.0	0.0	0.0010	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.0	0.002	1.659	0.0	0.0	0.043	0.0	0.0	0.0	0.0	0.0	0.000
STA AV	0.280	0.377	0.417	0.683	0.701	0.558	0.148	0.047	0.128	0.335	0.334	0.329

Station Averages: 35 yr beginning 1939 (part-year records not included). Station not in operatior July 1943 to May 1947.
Conversion Factor: CFS to IN/DAY, multiply by 1.460231.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED Y-6

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0 T	0.0	0.0	1.063	0.008	0.253	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0 T	0.023	0.0	0.011	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.001	0.008	0.001	0.002	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.002	0.0	0.003	0.0 T	0.001	0.0	0.0	0.0	0.0	0.0	0.0
5	0.001	0.026	0.0	0.001	0.0	0.138	0.0	0.0	0.0	0.0	0.0	0.0
6	0.002	0.091	0.0	0.001	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0
7	0.007	0.005	0.0	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.001	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.041	0.0 T	0.0	0.0 T	0.071	0.001	0.0	0.0	0.0	0.0	0.0	0.0
11	0.019	0.0	0.0	0.0 T	1.213	0.0	0.0	0.241	0.0	0.0	0.0	0.0
12	0.0 T	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.027	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.007	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0 T	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.001	0.0	0.100	0.029	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.005	0.0	0.049	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.069	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.130	0.0	0.163	0.0	0.0	0.0	0.0	0.0	0.0	0.076
23	0.0	0.001	0.001	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.317
24	0.0	0.012	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.008
25	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.092	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.105	0.0	0.0	0.0	0.0	0.0	0.0	0.058
29	0.0		0.0	0.0 T	0.918	0.0	0.0	0.0	0.0	0.0	0.0	0.045
30	0.0		0.003	0.0	0.378	0.0	0.0	0.0	0.0	0.023	0.0	0.002
31	0.0		0.004		0.012		0.0	0.0		0.0		0.001
MEAN	0.0025	0.0050	0.0128	0.0377	0.0930	0.0167	0.0	0.0078	0.0	0.0008	0.0	0.0163
INCHES	0.113	0.203	0.581	1.650	4.210	0.730	0.0	0.351	0.0	0.034	0.0	0.739
STA AV	0.275	0.372	0.421	0.710	0.799	0.563	0.144	0.055	0.125	0.327	0.325	0.341

Station Averages: 36 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to May 1947.
Conversion Factor: CFS to IN/DAY, multiply by 1.460231.

1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS WATERSHED Y-6

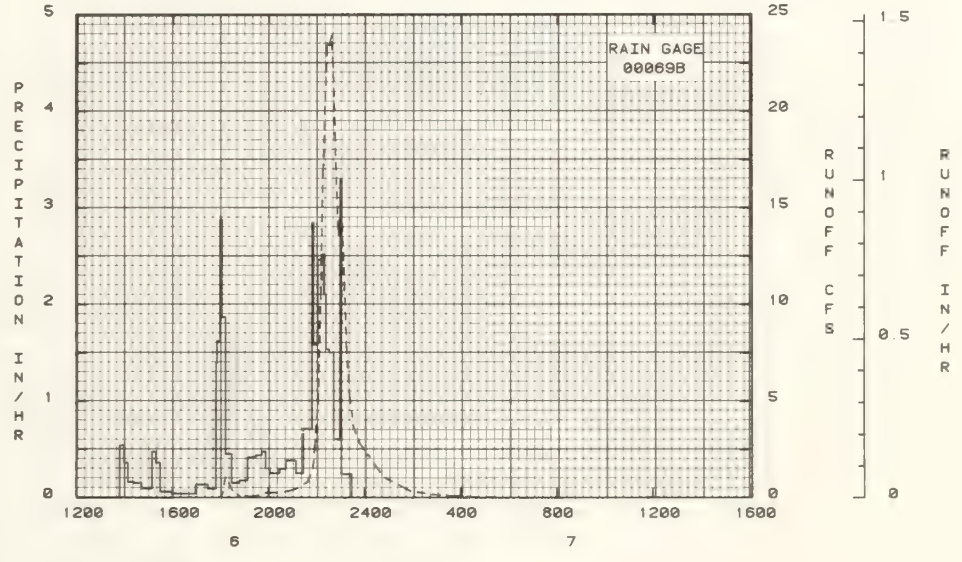
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF MARCH 6 - 7, 1978										
RG 00069B				RG 00069B						
3- 6	0.0	0.0	3- 6	1347	0.0	0.0	3- 6	1801	0.0	0.0
				1358	0.5455	0.10		1806	0.335	0.0008
				1408	0.3600	0.16		1813	1.091	0.0059
				1423	0.1600	0.20		1830	0.358	0.0184
				1443	0.1500	0.25		1842	0.174	0.0216
WATERSHED CONDITIONS:										
				1508	0.0960	0.29		1848	0.111	0.0225
94% fall planted oats;				1518	0.4800	0.37		1916	0.057	0.0249
4% other; 2% gravel roads.				1528	0.3600	0.43		1936	0.129	0.0268
Cropland terraced,				1557	0.0621	0.46		1955	0.269	0.0306
cultivated on contour.				1658	0.0393	0.50		2023	0.278	0.0384
				1728	0.1400	0.57		2054	0.365	0.0485
				1748	0.0900	0.60		2113	0.533	0.0571
				1751	1.4000	0.67		2138	0.826	0.0744
				1758	1.6286	0.86		2151	1.576	0.0902
				1803	2.0800	1.10		2157	3.012	0.1042
				1812	1.8667	1.38		2204	5.041	0.1327
				1828	0.4500	1.50		2210	10.562	0.1802
				1848	0.1500	1.55		2215	16.895	0.2498
				1908	0.1800	1.61		2225	23.561	0.4549
				1928	0.4200	1.75		2230	23.408	0.5740
				1943	0.4400	1.86		2236	23.944	0.7181
				1953	0.4800	1.94		2240	22.276	0.8118
				2003	0.3000	1.99		2245	18.827	0.9160
				2027	0.2500	2.09		2251	14.686	1.0180
				2043	0.3000	2.17		2255	13.609	1.0753
				2108	0.3840	2.33		2258	14.526	1.1181
				2127	0.2526	2.41		2302	14.911	1.1778
				2148	0.7143	2.66		2309	11.079	1.2701
				2152	2.8500	2.85		2315	7.454	1.3265
				2203	1.5818	3.14		2322	5.260	1.3716

Conversion Factor: CFS to IN/HR, multiply by 0.060843.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED Y-6

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	MARCH	6 - 7, 1978	(CONTINUED)				
			3- 6	2212	2.4667	3.51	3- 6	2332	3.665	1.4168
				2217	2.5200	3.72		2347	2.834	1.4663
				2223	2.1000	3.93		2400	2.456	1.5011
				2232	1.5333	4.16	3- 7	7	2.227	1.5177
				2242	1.5000	4.41		13	2.097	1.5309
				2252	0.6000	4.51		33	1.489	1.5673
				2258	0.6000	4.57		38	1.298	1.5743
				2302	3.3000	4.79		53	1.000	1.5918
				2327	0.2400	4.85		155	0.328	1.6336
								251	0.149	1.6471
								339	0.077	1.6526
								428	0.038	1.6555
								510	0.020	1.6567
								559	0.011	1.6575
								702	0.006	1.6580
								1005	0.001	1.6587
								1353	0.0	1.6588

Conversion Factor: CFS to IN/HR, multiply by 0.060843.



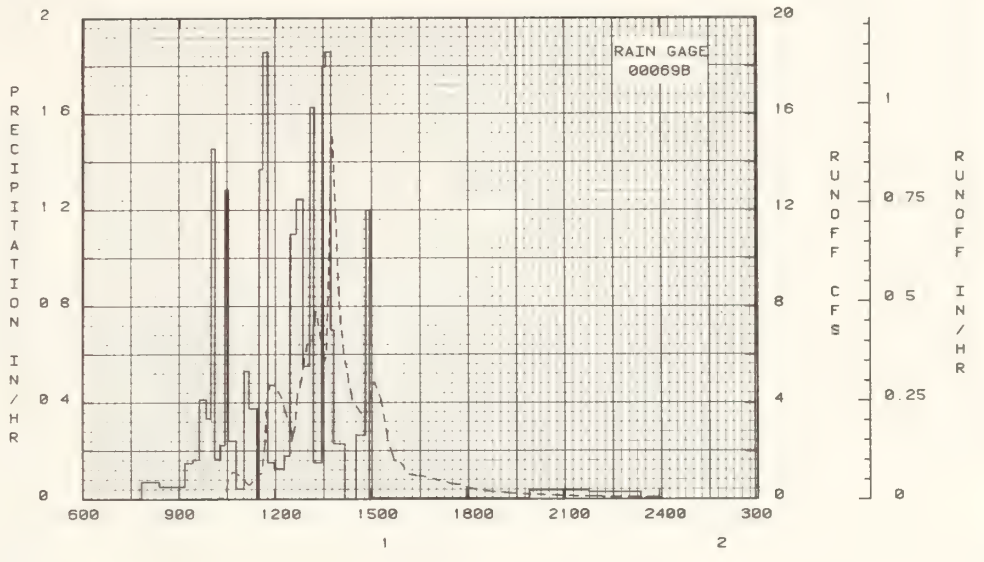
EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED Y-6

1979 SELECTED RUNOFF EVENT — RIESEL (WACC), TEXAS WATERSHED Y-6

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
RG 00069B			RG 00069B							
4- 1	0.0	0.001	4- 1	127	0.0	0.0	4- 1	914	0.010	0.0
				750	0.0	0.0		1000	0.015	0.0006
				823	0.0727	0.04		1011	0.023	0.0008
				911	0.0500	0.08		1023	0.073	0.0014
				927	0.1500	0.12		1029	0.363	0.0027
WATERSHED CONDITIONS:										
94% idle cropland;				938	0.1636	0.15		1033	0.790	0.0050
4% other; 2% gravel roads.				951	0.4154	0.24		1041	1.145	0.0129
Cropland terraced,				1000	0.3333	0.25		1053	0.985	0.0258
cultivated on contour.				1007	1.4571	0.46		1111	0.591	0.0402
				1018	0.1636	0.49		1119	0.725	0.0456
				1026	0.2250	0.52		1125	1.009	0.0508
				1033	1.2857	0.67		1136	1.083	0.0625
				1048	0.2400	0.73		1141	2.179	0.0708
				1102	0.0429	0.74		1145	3.979	0.0833
				1111	0.5333	0.82		1150	4.741	0.1054
				1127	0.3750	0.92		1159	4.741	0.1487
				1130	0.0	0.92		1213	4.180	0.2120
				1137	1.3714	1.08		1223	3.398	0.2504
				1147	1.8600	1.39		1230	2.764	0.2723
				1159	0.1500	1.42		1233	2.473	0.2802
				1218	0.1263	1.46		1238	3.030	0.2942
				1228	0.1800	1.49		1241	3.959	0.3049
				1240	1.1000	1.71		1243	4.364	0.3134
				1253	1.2462	1.98		1247	4.656	0.3316
				1305	0.5500	2.09		1251	5.085	0.3514
				1312	1.6286	2.28		1255	5.845	0.3736
				1328	0.1500	2.32		1301	6.452	0.4110
				1334	1.8000	2.50		1310	6.572	0.4704
				1344	1.8600	2.81		1314	7.429	0.4988
				1350	0.7000	2.88		1317	7.808	0.5220
				1411	0.2286	2.96		1326	6.620	0.5878
				1432	0.0	2.96		1332	5.708	0.6253
				1450	0.2667	3.04		1336	5.914	0.6489
				1457	1.2000	3.18		1339	8.116	0.6702
				1957	0.0040	3.20		1342	11.195	0.6996
				2148	0.0378	3.27		1344	13.671	0.7248
				2326	0.0306	3.32		1347	15.073	0.7686
								1354	11.487	0.8628
								1359	8.481	0.9134
								1409	6.053	0.9871
								1425	4.099	1.0695
								1442	3.550	1.1354
								1449	3.379	1.1600
								1458	4.200	1.1946
								1506	4.890	1.2315
								1519	4.119	1.2908
								1532	2.423	1.3340
								1544	1.589	1.3584
								1555	1.518	1.3757
								1611	1.034	1.3964
								1626	0.973	1.4117
								1630	0.985	1.4156
								1730	0.655	1.4655
								1746	0.595	1.4757
								1800	0.494	1.4834
								1818	0.389	1.4915
								1837	0.339	1.4985
								1853	0.299	1.5036
								1918	0.258	1.5107
								1945	0.217	1.5172
								2026	0.181	1.5255
								2058	0.153	1.5309
								2128	0.131	1.5352
								2150	0.124	1.5380
								2216	0.106	1.5411
								2249	0.095	1.5444
								2324	0.082	1.5476
								2350	0.077	1.5457
								2400	0.077	1.5505

Conversion Factor: CFS to IN/HR, multiply by 0.060843.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS WATERSHED Y-6

LOCATION: Falls Co., Texas; 18 mi. SE of Waco; Brazos River Basin. Lat. 31 deg. 28 min. 22 sec. N.; Long. 96 deg. 52 min. 54 sec. W.

AREA: 20.80 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED Y-8

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	3.04	3.50	5.80	1.39	2.88	6.87	0.33	1.47	2.44	1.93	5.44	2.76	37.85
	Q	0.0	0.0	2.112	0.0	0.0	1.296	0.0	0.0	0.0	0.0	0.0	0.007	3.415
1979	P	2.42	3.11	5.47	6.27	13.22	5.03	1.39	3.47	2.97	3.54	0.97	5.60	53.46
	Q	0.006	0.024	0.221	1.859	4.446	1.737	0.0	0.0	0.0	0.044	0.0	0.960	9.296
STA AV	P	2.00	2.65	2.59	4.17	4.06	3.74	1.90	2.23	3.06	3.36	2.93	2.42	35.11
	Q	0.312	0.386	0.486	0.774	0.839	0.667	0.185	0.056	0.188	0.311	0.356	0.410	4.969

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	1.819	3- 6	1.332	3- 6	1.761	3- 6	2.034	3- 6	2.109	3- 6	2.112	3- 5	2.112	2-27	2.112
1979	5-11	0.783	5-11	0.617	5-11	1.043	4- 1	1.597	4- 1	1.740	5-10	1.858	5-28	2.105	5-28	3.148
MAXIMUMS FOR PERIOD OF RECORD																
	6-10	3.290	4-19	2.410	4-19	2.800	4-23	3.320	4-23	3.370	3-29	3.590	11-22	5.640	4-19	9.100
	1941		1957		1957		1957		1957		1965		1940		1957	

Watershed Conditions: 1978 - 94% row grain sorghum; 4% other; 2% gravel roads. Cropland terraced and contour tilled; no change in conservation practices.
1979 - 94% Fall planted oats; 4% other; 2% gravel roads. Cropland terraced and contour tilled; no change in conservation practices.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, USDA Misc. Pub. 1194, p. 42.11-5 (revised).
Precipitation: Records began March 1, 1939. Data from rain gage 75A.
Runoff: Records began March 1, 1939. Station not in operation July 1943 to Jan. 1, 1949. Part-year records not included in station averages.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS WATERSHED Y-8

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.49	1.31	0.0	0.0	0.0
2	0.06	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.91	0.0	0.0	0.0	0.0	0.0	0.20
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.71	0.33	0.10	1.15	0.0
6	0.0	0.09	5.50	0.0	0.0	4.79	0.0	0.0	0.0	0.0	0.0	0.02
7	0.0	0.17	0.0	0.0	0.0	0.88	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0
10	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0
11	1.07	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.52	0.0	0.0	0.29	0.0	0.0	0.0	0.15	0.0	0.0	0.0
13	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.06	0.0
17	0.0	0.69	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.44	0.0
20	0.0	0.0	0.0	0.0	0.86	0.0	0.0	0.0	0.0	0.0	0.06	0.0
21	0.06	0.0	0.0	0.0	0.59	0.0	0.0	0.07	0.0	0.0	0.47	0.0
22	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0
23	0.0	0.0	0.15	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.83	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.11	0.0
27	0.0	0.08	0.0	0.0	0.0	0.0	0.21	0.0	0.11	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13
31	0.32		0.0		0.0		0.0	0.20		0.0		2.41
TOTAL	3.04	3.50	5.80	1.39	2.88	6.87	0.33	1.47	2.44	1.93	5.44	2.76
STA AV	1.98	2.64	2.50	4.11	3.78	3.70	1.92	2.20	3.06	3.36	2.99	2.32

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 75A.
Station Averages: 33 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to Jan. 1, 1949.

1979 DAILY PRECIPITATION (INCHES) BIESEL (WACO), TEXAS WATERSHED Y-8

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.92	0.85	0.78	0.0	0.30	0.0	0.0	0.0	0.0
2	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.23	0.23	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.81	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0
5	0.13	0.39	0.0	0.0	0.0	1.06	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.64	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0
7	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.04	0.0	0.0	0.0	2.33	0.27	0.64	0.48	0.0	0.0	0.0	0.0
11	0.0	0.0	0.13	0.20	2.72	0.0	0.0	2.07	0.0	0.0	0.0	1.07
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.39	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.0	0.0
16	0.0	0.0	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.09	0.0	0.73	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0
18	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.19	0.0	0.27	0.0
19	0.09	0.0	1.09	0.90	0.0	0.0	0.0	0.0	1.68	0.0	0.0	0.0
20	0.21	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.03	0.0	0.0	0.0
21	0.0	0.0	0.46	0.0	0.94	0.0	0.0	0.0	0.0	0.0	0.45	0.70
22	0.0	0.03	0.64	0.0	1.46	0.0	0.0	0.57	0.0	0.79	0.0	0.74
23	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.37
24	0.0	0.54	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.25	0.0
25	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.06	0.0	0.0	0.0	0.0	2.92	0.17	0.0	0.0	0.0	0.0	0.0
27	0.0	0.16	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.55	0.0	0.0	0.0	0.0	0.0	0.0	1.01
29	0.15		0.0	0.52	2.23	0.0	0.0	0.0	0.0	0.0	0.0	0.02
30	0.13		0.48	0.0	0.92	0.0	0.0	0.0	0.0	1.79	0.0	0.0
31	0.0		0.12		0.0		0.0	0.0		0.0		0.0
TOTAL	2.42	3.11	5.47	6.27	13.22	5.03	1.39	3.47	2.97	3.54	0.97	5.60
STA AV	2.00	2.65	2.59	4.17	4.06	3.74	1.90	2.23	3.06	3.36	2.93	2.42

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 75A.
Station Averages: 34 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to Jan. 1, 1949.

1978 MEAN DAILY DISCHARGE (CFS) BIESEL (WACO), TEXAS WATERSHED Y-8

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	1.738	0.0	0.0	0.905	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.108	0.0	0.0	0.133	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.094	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.006
MEAN	0.0	0.0	0.0595	0.0	0.0	0.0377	0.0	0.0	0.0	0.0	0.0	0.0002
INCHES	0.0	0.0	2.112	0.0	0.0	1.296	0.0	0.0	0.0	0.0	0.0	0.007
STA AV	0.321	0.397	0.494	0.741	0.729	0.635	0.191	0.058	0.194	0.319	0.367	0.393

Station Averages: 33 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to Jan. 1, 1949.
Conversion Factor: CFS to IN/DAY, multiply by 1.144315.

1979	MEAN DAILY DISCHARGE (CFS)					RIESEL (WACO), TEXAS WATERSHED Y-8						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	1.538	0.010	0.328	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.054	0.0	0.047	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.015	0.0 T	0.012	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0 T	0.0	0.004	0.0 T	0.003	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.001	0.0	0.0	0.0	0.401	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.020	0.0	0.0	0.0	0.031	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0 T	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.003	0.0	0.0	0.0	0.056	0.008	0.0	0.0	0.0	0.0	0.0	0.0
11	0.002	0.0	0.0	0.0	1.569	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.028	0.0	0.0	0.0	0.0	0.0	0.0	0.001
13	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.034	0.012	0.0	0.660	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.018	0.001	0.0	0.021	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.040	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.089	0.0	0.192	0.0	0.0	0.0	0.0	0.0	0.0	0.163
23	0.0	0.0	0.002	0.0	0.021	0.0	0.0	0.0	0.0	0.0	0.0	0.496
24	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.022
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.172	0.0	0.0	0.0	0.0	0.0	0.0	0.073
29	0.0		0.0	0.0	1.256	0.0	0.0	0.0	0.0	0.0	0.0	0.074
30	0.0		0.001	0.0	0.510	0.0	0.0	0.0	0.0	0.038	0.0	0.008
31	0.0		0.003		0.063		0.0	0.0		0.0		0.002
MEAN	0.0002	0.0008	0.0062	0.0542	0.1253	0.0506	0.0	0.0	0.0	0.0012	0.0	0.0271
INCHES	0.006	0.024	0.221	1.859	4.446	1.737	0.0	0.0	0.0	0.044	0.0	0.960
STA AV	0.312	0.386	0.486	0.774	0.839	0.667	0.185	0.056	0.188	0.311	0.356	0.410

Station Averages: 34 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to Jan. 1, 1949.
Conversion Factor: CFS to IN/DAY, multiply by 1.144315.

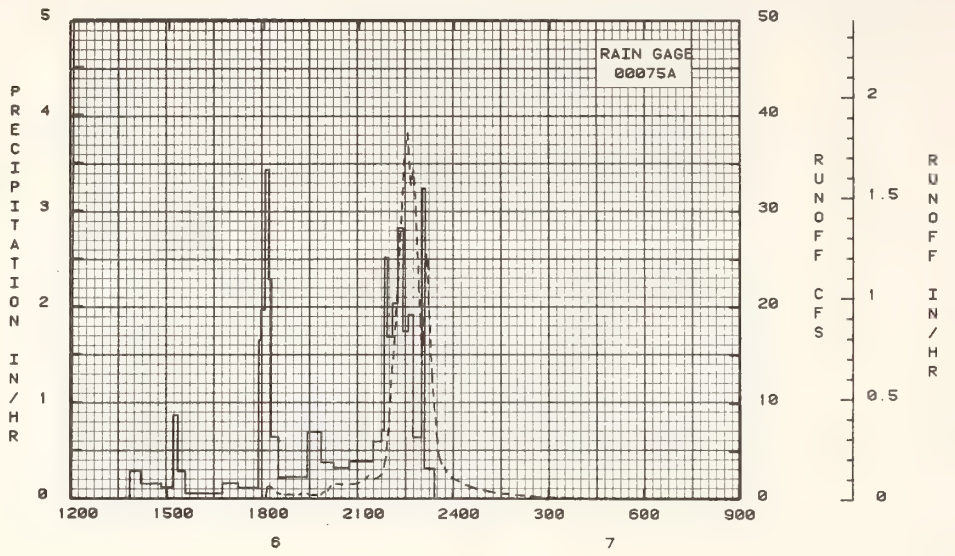
1978	SELECTED RUNOFF EVENT				RIESEL (WACO), TEXAS WATERSHED Y-8					
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MARCH 6 - 7, 1978						
				RG 00075A						
3- 6	0.0	0.0	3- 6	1350	0.0	0.0	3- 6	1757	0.0	0.0
				1411	0.2857	0.10		1801	0.056	0.0001
				1431	0.1500	0.15		1807	0.209	0.0007
				1450	0.1579	0.20		1810	1.238	0.0024
				1511	0.1143	0.24		1814	1.358	0.0066
WATERSHED CONDITIONS:										
94% row grain				1520	0.8667	0.37		1820	1.020	0.0122
sorghum; 4% other;				1535	0.2800	0.44		1828	0.613	0.0174
2% gravel roads.				1645	0.0514	0.50		1835	0.462	0.0204
Cropland terraced,				1715	0.1600	0.58		1843	0.409	0.0232
cultivated on				1753	0.1105	0.65		1900	0.390	0.0286
contour.										
				1757	1.6500	0.76		1910	0.400	0.0317
				1804	1.9714	0.99		1912	0.531	0.0325
				1811	3.4286	1.35		1925	0.554	0.0381
				1816	2.2800	1.58		1929	0.476	0.0397
				1831	0.6400	1.74		1934	0.338	0.0413
				1845	0.2143	1.79		1942	0.338	0.0435
				1925	0.2250	1.94		1951	0.440	0.0463
				1951	0.6923	2.24		1957	0.757	0.0491
				2015	0.3750	2.39		2004	0.857	0.0536
				2045	0.3200	2.55		2009	1.381	0.0580
				2105	0.3900	2.68		2019	1.575	0.0698
				2130	0.3840	2.84		2032	1.490	0.0856
				2145	0.6000	2.99		2052	1.575	0.1100
				2150	0.7200	3.05		2104	1.704	0.1256
				2155	2.5200	3.26		2114	2.084	0.1407
				2205	1.6800	3.54		2121	2.440	0.1532
				2215	2.0400	3.88		2133	2.037	0.1746
				2225	2.8200	4.35		2146	2.574	0.1984
				2235	1.7400	4.64		2154	4.385	0.2205
				2245	1.9200	4.96		2200	8.612	0.2515

Conversion Factor: CFS to IN/HR, multiply by 0.0476798.

1978 SELECTED RUNOFF EVENT — BIESEL (WACO), TEXAS — WATERSHED Y=

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	MARCH	6 - 7, 1978	(CONTINUED)				
			3- 6	2301	0.6375	5.15	3- 6	2204	13.112	0.2[illegible]
				2306	3.2400	5.40		2209	16.157	0.3442
				2325	0.3158	5.50		2214	21.643	0.4193
								2220	27.977	0.5376
								2225	34.010	0.6607
								2229	37.342	0.7741
								2232	38.159	0.8641
								2235	35.906	0.9524
								2239	32.709	1.0615
								2244	34.272	1.1945
								2249	29.455	1.3211
								2255	22.238	1.4444
								2258	18.581	1.4930
								2300	16.391	1.5208
								2302	15.301	1.5460
								2304	16.625	1.5714
								2306	20.543	1.6009
								2309	25.459	1.6557
								2312	24.678	1.7155
								2314	20.289	1.7512
								2321	12.170	1.8415
								2330	6.524	1.9084
								2334	4.364	1.9257
								2339	3.581	1.9414
								2344	3.242	1.9550
								2349	2.808	1.9670
								2400	2.112	1.9885
							3- 7	27	1.389	2.0261
								44	1.081	2.0427
								119	0.663	2.0670
								200	0.404	2.0844
								245	0.222	2.0956
								344	0.105	2.1032
								429	0.062	2.1062
								509	0.043	2.1079
								554	0.029	2.1092
								627	0.027	2.1099
								654	0.019	2.1104
								750	0.014	2.1111
								834	0.010	2.1115
								919	0.007	2.1118
								954	0.005	2.1120

Conversion Factor: CFS to IN/HR, multiply by 0.0476798.



EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED Y-8

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED Y-8

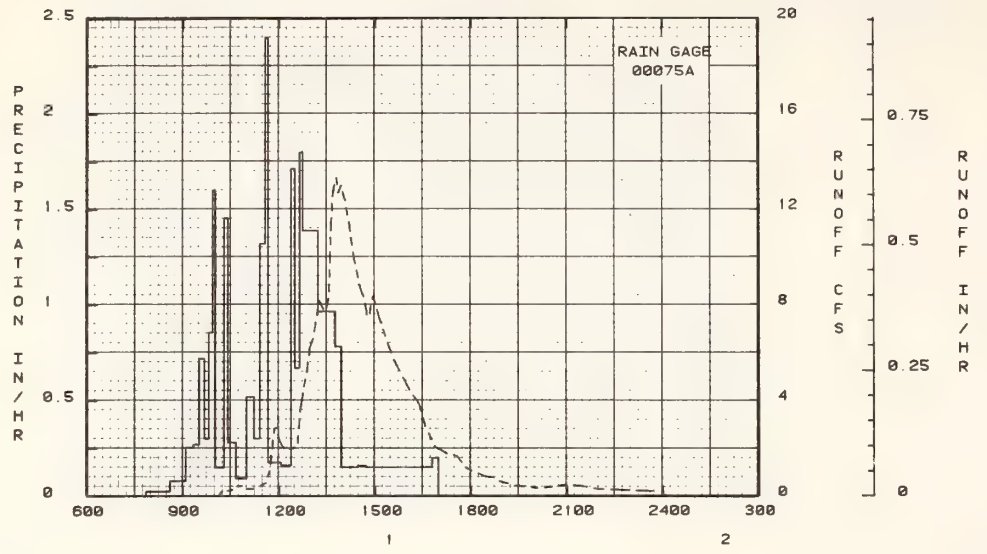
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
RG 00075A			RG 00075A							
4- 1	0.0	0.000	4- 1	130	0.0	0.0	4- 1	544	0.0	0.0
				750	0.0016	0.01		850	0.004	0.0003
				835	0.0267	0.03		930	0.020	0.0007
				905	0.0800	0.07		941	0.020	0.0008
				919	0.2571	0.13		953	0.008	0.0010
WATERSHED CONDITIONS:										
94% fall planted oats;				930	0.2727	0.18		1005	0.023	0.0011
4% other; 2% gravel				940	0.7200	0.30		1009	0.113	0.0013
roads. Cropland terraced,				948	0.3000	0.34		1013	0.218	0.0019
cultivated on contour.				955	0.8571	0.44		1023	0.225	0.0036
				1001	1.6000	0.60		1033	0.284	0.0057
				1017	0.1500	0.64		1042	0.431	0.0082
				1024	1.4571	0.81		1049	0.449	0.0107
				1039	0.2800	0.88		1100	0.314	0.0140
				1059	0.0900	0.91		1112	0.307	0.0170
				1114	0.5200	1.04		1127	0.458	0.0215
				1124	0.3000	1.09		1136	0.571	0.0252
				1134	1.3200	1.31		1139	0.823	0.0269
				1140	2.4000	1.55		1142	1.058	0.0291
				1204	0.1750	1.62		1146	1.704	0.0335
				1223	0.1579	1.67		1149	2.357	0.0383
				1230	1.7143	1.87		1152	2.851	0.0445
				1239	0.6667	1.97		1156	2.851	0.0536
				1244	1.8000	2.12		1200	2.341	0.0618
				1313	1.3862	2.79		1209	1.990	0.0773
				1346	0.9636	3.32		1219	1.975	0.0931
				1356	0.7800	3.45		1230	2.037	0.1106
				1428	0.1500	3.53		1235	2.227	0.1191
				1443	0.1600	3.57		1238	2.940	0.1252
				1647	0.1500	3.88		1241	3.743	0.1332
				1659	0.2000	3.92		1245	4.302	0.1460

Conversion Factor: CFS to IN/HR, multiply by 0.0476798.

1979 SELECTED RUNOFF EVENT — FIESEL (WACO), TEXAS — WATERSHED X-P

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
							4- 1	1253	5.304	0.1765
								1257	6.146	0.1947
								1304	6.596	0.2302
								1309	7.279	0.2577
								1315	8.193	0.2946
								1323	7.808	0.3455
								1328	7.706	0.3763
								1333	8.271	0.4080
								1336	10.222	0.4301
								1338	11.664	0.4475
								1341	12.744	0.4766
								1347	13.329	0.5387
								1351	12.683	0.5801
								1356	13.020	0.6311
								1404	12.350	0.7118
								1413	11.079	0.7955
								1422	9.720	0.8699
								1431	8.745	0.9359
								1439	8.324	0.9902
								1445	7.579	1.0281
								1450	7.655	1.0584
								1456	8.350	1.0965
								1511	7.254	1.1895
								1525	6.263	1.2647
								1540	5.483	1.3347
								1553	4.912	1.3884
								1604	4.447	1.4293
								1621	3.880	1.4856
								1623	3.821	1.4917
								1634	2.887	1.5210
								1653	2.037	1.5582
								1715	1.763	1.5914
								1734	1.646	1.6171
								1751	1.158	1.6361
								1801	1.058	1.6449
								1825	0.801	1.6626
								1842	0.768	1.6732
								1855	0.591	1.6802
								1909	0.514	1.6864
								1923	0.414	1.6915
								1940	0.380	1.6969
								2001	0.322	1.7028
								2004	0.314	1.7039
								2059	0.467	1.7206
								2116	0.423	1.7266
								2137	0.368	1.7332
								2154	0.291	1.7376
								2208	0.259	1.7407
								2230	0.244	1.7451
								2256	0.225	1.7500
								2319	0.211	1.7539
								2343	0.176	1.7576
								2400	0.176	1.7600

Conversion Factor: CFS to IN/HR, multiply by 0.0476798.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS WATERSHED Y-8

LOCATION: Falls Co., Texas; 18 mi. SE of Waco; Brazos River Basin. Lat. 31 deg. 28 min. 31 sec. N.; Long. 96 deg. 53 min. 10 sec. W.

AREA: 18.60 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED Y-10

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.88	3.14	5.24	1.10	2.54	6.68	0.34	1.52	2.00	1.83	4.84	2.63	34.74
1978	Q	0.0	0.484	3.390	0.0	0.0	3.516	0.0	0.0	0.0	0.0	0.0	0.001	7.391
	P	2.38	2.95	5.02	5.49	12.17	4.89	1.31	3.18	2.67	3.71	0.73	5.22	49.72
1979	Q	0.009	0.177	1.115	1.934	5.763	1.014	0.0	0.0	0.0	0.0	0.0	0.234	10.245
STA AV	P	2.09	2.53	2.87	3.98	4.07	3.51	1.80	2.17	2.95	3.14	2.81	2.41	33.93
	Q	0.364	0.455	0.608	0.943	0.879	0.750	0.172	0.070	0.254	0.359	0.394	0.424	5.672

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	6- 6	2.733	3- 6	1.816	6- 6	2.613	3- 6	2.923	3- 6	3.157	3- 6	3.304	6- 6	3.497	6- 1	3.516
1979	5-11	2.341	5-10	1.617	5-10	2.063	5-10	2.449	5-10	2.488	5-10	2.776	5-10	2.788	5-28	3.315
MAXIMUMS FOR PERIOD OF RECORD																
	4-19 1957	3.730	4-19 1957	2.900	4-19 1957	3.480	3-29 1965	4.130	3-29 1965	4.270	3-29 1965	4.620	4-23 1957	5.340	4-19 1957	10.570

Watershed Conditions: 1978 - 94% cotton; 3% gravel roads; 3% other. Cropland terraced and contour tilled; no change in conservation practices.
1979 - 94% sorghum; 3% gravel roads; 3% other. Cropland terraced and contour tilled; no change in conservation practices.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, USDA Misc. Pub. 1194, p. 42.11-5 (revised).
Precipitation: Records began July 1, 1938. Data from Thiessen weighted method using rain gages 69 and 69E.
Runoff: Records began July 1, 1938. Station not in operation July 1943 to May 1, 1946. Part-year records not included in station averages.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS WATERSHED Y-10

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.45	0.79	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.02	0.0	0.0	1.03	0.0	0.0	0.0	0.0	0.0	0.15
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0
5	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.78	0.21	0.08	0.94	0.0
6	0.0	0.09	4.98	0.0	0.0	4.69	0.0	0.0	0.0	0.01	0.0 T	0.02
7	0.0	0.17	0.0	0.0	0.0	0.66	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.36	0.0	0.0	0.0	0.01	0.0	0.0	0.02	0.0	0.0	0.0
9	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0
10	0.0	0.0	0.0	0.81	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0
11	1.14	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.35	0.0	0.0	0.32	0.0	0.0	0.0	0.26	0.0	0.0	0.0
13	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.19	0.0
16	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.0
17	0.0	0.54	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.38	0.0
20	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0	0.0	0.0	0.04	0.0
21	0.07	0.0	0.0	0.0	0.48	0.0	0.0	0.05	0.0	0.0	0.44	0.0
22	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0
23	0.0	0.0	0.11	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.74	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.95	0.0
27	0.0	0.05	0.0	0.0	0.0	0.0	0.19	0.0	0.10	0.0	0.03	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
31	0.27		0.0		0.0		0.0	0.24		0.0		2.27
TOTAL	2.88	3.14	5.24	1.10	2.54	6.68	0.34	1.52	2.00	1.83	4.64	2.63
STA AV	2.08	2.52	2.40	3.94	3.84	3.47	1.82	2.14	2.95	3.12	2.87	2.33

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiessen weighted average of rain gages 69 and 69E.
Station Averages: 36 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to May 1, 1946.

1979	DAILY PRECIPITATION (INCHES)						RIESEL (WACC), TEXAS	WATERSHED Y-10				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.27	0.80	0.81	0.0	0.25	0.0	0.0	0.0	0.0
2	0.0	0.06	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.15	0.12	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.09	0.46	0.0	0.0	0.0	0.58	0.0	0.0	0.0	0.0	0.0	0.0
6	0.07	0.57	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0
7	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.03	0.0	0.03	0.0	2.02	0.37	0.61	0.50	0.0	0.0	0.0	0.0
11	0.0	0.0	0.07	0.17	2.53	0.0	0.0	1.76	0.0	0.0	0.0	1.06
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.30	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0	0.0
16	0.0	0.0	0.52	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0
17	0.04	0.07	0.0	0.72	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
18	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23	0.0	0.22	0.0
19	0.08	0.0	0.95	0.94	0.0	0.0	0.0	0.0	1.36	0.0	0.0	0.0
20	0.25	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.08	0.0	0.0	0.0
21	0.0	0.0	0.39	0.0	0.82	0.0	0.0	0.0	0.0	0.0	0.30	0.67
22	0.0	0.02	0.64	0.0	1.45	0.0	0.0	0.61	0.0	0.78	0.0	0.53
23	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30
24	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.21	0.0
25	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	2.73	0.13	0.0	0.0	0.0	0.0	0.0
27	0.0	0.19	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.38	0.0	0.0	0.0	0.0	0.0	0.0	0.98
29	0.13		0.0	0.39	2.14	0.0	0.0	0.0	0.0	0.0	0.0	0.11
30	0.12		0.41	0.0	0.83	0.0	0.0	0.0	0.0	1.63	0.0	0.0
31	0.0		0.22		0.0		0.0	0.0		0.0		0.0
TOTAL	2.38	2.95	5.02	5.49	12.17	4.89	1.31	3.18	2.67	3.71	0.73	5.22
STA AV	2.09	2.53	2.47	3.98	4.07	3.51	1.80	2.17	2.95	3.14	2.81	2.41

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiesser weighted average of rain gages 69 and 69E.
Station Averages: 37 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to May 1, 1946.

1978	MEAN DAILY DISCHARGE (CFS)						RIESEL (WACO), TEXAS	WATERSHED Y-10				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	2.270	0.0	0.0	2.292	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.330	0.0	0.0	0.347	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.034	0.0	0.0	0.104	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.161	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.044	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.134	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.001
MEAN	0.0	0.0135	0.0855	0.0	0.0	0.0916	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.0	0.484	3.390	0.0	0.0	3.516	0.0	0.0	0.0	0.0	0.0	0.001
STA AV	0.374	0.463	0.594	0.916	0.744	0.742	0.177	0.072	0.261	0.368	0.404	0.430

Station Averages: 36 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to May 1, 1946.
Conversion Factor: CFS to IN/DAY, multiply by 1.279664.

1979 MEAN DAILY DISCHARGE (CPS) RIESEL (WACO), TEXAS WATERSHED Y-10

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	1.351	0.002	0.413	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.004	0.0	0.017	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.001	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.006	0.0	0.0	0.0	0.319	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.121	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.004	0.0	0.0	0.0	0.079	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.003	0.0	0.0	0.0	2.091	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.009	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.212	0.155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.086	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.214	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.328	0.0	0.476	0.0	0.0	0.0	0.0	0.0	0.0	0.009
23	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.140
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.005
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.038	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.256	0.0	0.0	0.0	0.0	0.0	0.0	0.011
29	0.0		0.0	0.001	1.165	0.0	0.0	0.0	0.0	0.0	0.0	0.015
30	0.0		0.0	0.0	0.413	0.0	0.0	0.0	0.0	0.0	0.0	0.003
31	0.0		0.0		0.008		0.0	0.0		0.0		0.001
MEAN	0.0002	0.0049	0.0281	0.0504	0.1453	0.0264	0.0	0.0	0.0	0.0	0.0	0.0059
INCHES	0.009	0.177	1.115	1.934	5.763	1.014	0.0	0.0	0.0	0.0	0.0	0.234
STA AV	0.364	0.455	0.608	0.943	0.879	0.750	0.172	0.070	0.254	0.359	0.394	0.424

Station Averages: 37 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to May 1, 1946.
Conversion Factor: CPS to IN/DAY, multiply by 1.279664.

1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS WATERSHED Y-10

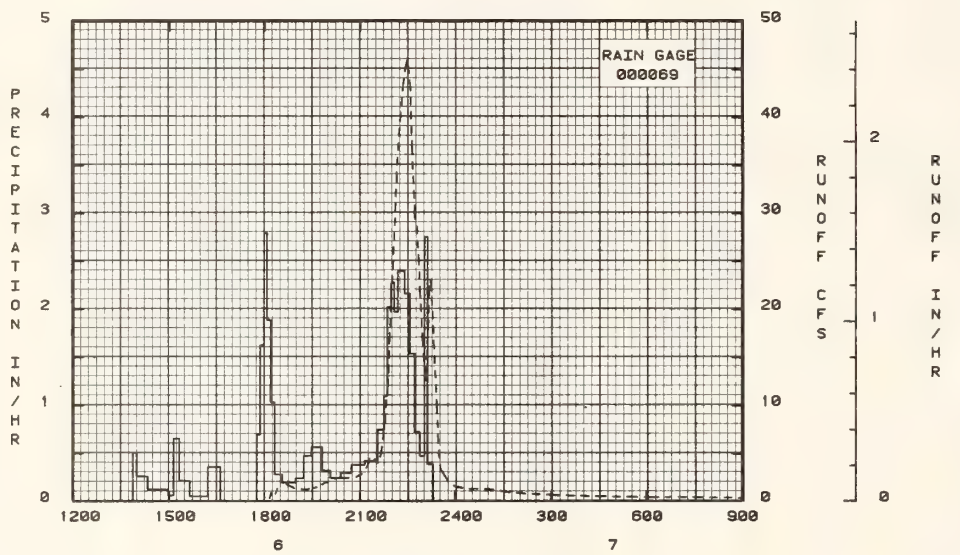
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978							
RG 000069			RG 000069							
3- 6	0.0	0.0	3- 6	1352	0.0	0.0	3- 6	1756	0.0	0.0
				1359	0.5143	0.06		1804	0.035	0.0001
				1420	0.2571	0.15		1810	0.386	0.0012
				1459	0.1231	0.23		1813	0.858	0.0029
				1509	0.0600	0.24		1821	0.792	0.0090
WATERSHED CONDITIONS: 94% cotton; 3% other; 3% gravel roads. Cropland terraced, contour cultivation.				1519	0.6600	0.35		1825	1.348	0.0128
				1539	0.2100	0.42		1830	2.112	0.0204
				1614	0.0514	0.45		1835	1.938	0.0294
				1637	0.3652	0.59		1842	1.762	0.0410
				1702	0.0	0.59		1856	1.368	0.0604
				1713	0.0	0.59		1915	1.229	0.0823
				1746	0.0	0.59		1924	1.307	0.0925
				1752	0.7000	0.66		1932	1.408	0.1021
				1759	1.6286	0.85		1939	1.532	0.1113
				1805	2.8000	1.13		1949	1.808	0.1261
				1812	1.8857	1.35		2000	2.115	0.1453
				1819	1.0286	1.47		2018	2.473	0.1820
				1834	0.2800	1.54		2039	2.490	0.2283
				1859	0.1920	1.62		2053	2.557	0.2597
				1914	0.2400	1.68		2104	2.904	0.2864
				1929	0.4800	1.80		2114	3.762	0.3160
				1949	0.5700	1.99		2118	4.488	0.3307
				2004	0.3200	2.07		2127	4.405	0.3662
				2024	0.2400	2.15		2133	3.979	0.3886
				2044	0.3000	2.25		2140	4.976	0.4164
				2109	0.3840	2.41		2144	6.813	0.4374
				2133	0.4250	2.58		2148	5.093	0.4656
				2145	0.7500	2.73		2153	12.714	0.5141
				2151	1.1000	2.84		2156	17.542	0.5544
				2159	2.0250	3.11		2205	28.795	0.7397

Conversion Factor: CPS to IN/HR, multiply by 0.053319.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED Y-10

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2204	2.2800	3.30	3- 6	2209	34.360	0.8520
				2211	1.9714	3.53		2216	40.555	1.0850
				2217	2.4000	3.77		2222	44.055	1.3105
				2224	2.4000	4.05		2225	45.164	1.4295
				2234	2.1600	4.41		2229	46.088	1.5917
				2243	1.5333	4.64		2234	43.528	1.7907
				2253	0.7200	4.76		2238	36.085	1.9322
				2302	0.4667	4.83		2244	29.372	2.1068
				2307	2.7600	5.06		2247	28.631	2.1841
				2318	0.3818	5.13		2251	24.600	2.2787
								2253	22.014	2.3201
								2259	16.091	2.4217
								2303	13.236	2.4738
								2305	12.623	2.4968
								2307	15.661	2.5219
								2309	18.932	2.5527
								2311	22.388	2.5894
								2313	23.142	2.6298
								2315	21.977	2.6699
								2320	15.859	2.7540
								2325	9.914	2.8113
								2328	6.007	2.8325
								2332	3.342	2.8491
								2346	2.068	2.8827
								2400	1.504	2.9050
							3- 7	29	1.274	2.9408
								58	1.287	2.9738
								142	0.921	3.0169
								212	0.785	3.0397
								302	0.650	3.0716
								357	0.565	3.1012
								443	0.504	3.1231

Conversion Factor: CFS to IN/HR, multiply by 0.053319.



EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED Y-10

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED Y-10

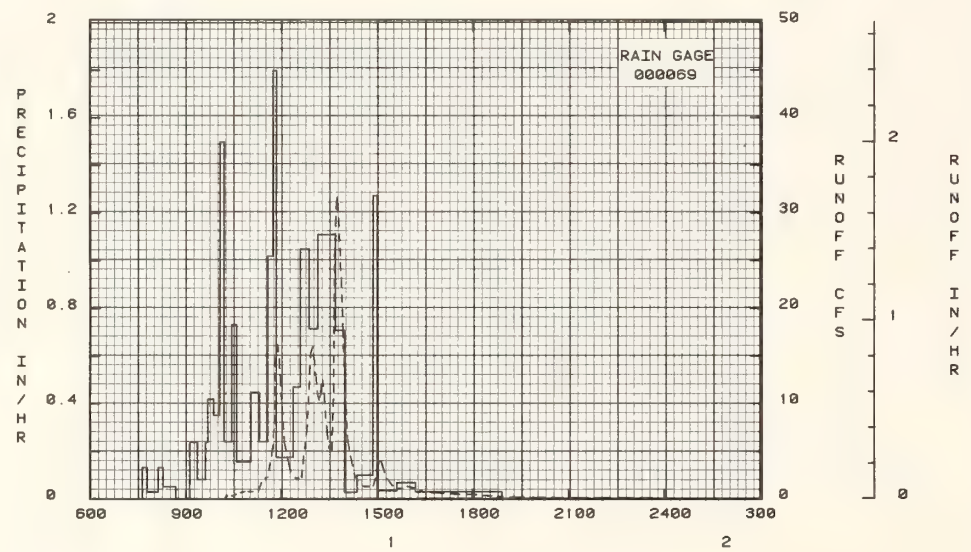
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
RG 000069			RG 000069							
4- 1	0.0	0.0	4- 1	137	0.0	0.0	4- 1	1001	0.0	0.0
				208	0.0	0.0		1009	0.010	0.0000
				738	0.0	0.0		1014	0.212	0.0005
				747	0.1333	0.02		1019	0.346	0.0018
				808	0.0286	0.03		1027	0.346	0.0042
WATERSHED CONDITIONS: 94% sorghum; 3% other; 3% gravel roads. Cropland terraced, contour cultivation.				817	0.1333	0.05		1035	0.495	0.0072
				841	0.0500	0.07		1043	0.725	0.0116
				907	0.0	0.07		1051	0.823	0.0171
				922	0.2400	0.13		1057	0.835	0.0215
				937	0.0800	0.15		1106	0.823	0.0281
				942	0.2400	0.17		1117	0.915	0.0366
				952	0.4200	0.24		1123	1.748	0.0437
				1004	0.3500	0.31		1130	2.211	0.0560
				1012	1.5000	0.51		1135	2.308	0.0660
				1027	0.2400	0.57		1139	3.821	0.0769
				1036	0.7333	0.66		1145	5.754	0.1025
				1103	0.1556	0.75		1148	9.500	0.1228
				1119	0.4500	0.87		1149	14.526	0.1335
				1134	0.2400	0.93		1153	16.190	0.1881
				1144	1.0200	1.10		1156	14.462	0.2289
				1151	1.8000	1.31		1159	11.901	0.2641
				1222	0.1742	1.40		1202	8.798	0.2917
				1236	0.4714	1.51		1206	5.868	0.3177
				1252	1.0500	1.79		1212	4.221	0.3446
				1308	0.7125	1.98		1218	2.869	0.3635
				1342	1.1118	2.61		1226	2.195	0.3815
				1359	0.7059	2.81		1233	2.179	0.3951
				1422	0.0261	2.82		1238	2.259	0.4050
				1452	0.1000	2.87		1241	3.782	0.4130
				1500	1.2750	3.04		1249	7.757	0.4541
				1537	0.0324	3.06		1252	11.634	0.4799
				1612	0.0686	3.10		1254	14.112	0.5028
				1855	0.0294	3.16		1256	15.464	0.5251
								1259	16.024	0.5710
								1303	14.017	0.6244
								1306	12.050	0.6592
								1308	10.934	0.6796
								1311	10.392	0.7080
								1313	10.733	0.7268
								1315	12.080	0.7471
								1317	12.562	0.7690
								1321	10.733	0.8104
								1323	9.201	0.8281
								1325	7.630	0.8430
								1327	6.263	0.8554
								1329	5.438	0.8658
								1332	5.020	0.8797
								1335	5.260	0.8934
								1338	11.370	0.9156
								1339	19.286	0.9292
								1340	25.616	0.9492
								1342	28.918	0.9976
								1343	31.130	1.0243
								1345	31.681	1.0801
								1348	28.508	1.1604
								1351	24.716	1.2313
								1353	22.126	1.2729
								1356	16.963	1.3250
								1359	12.441	1.3642
								1402	8.878	1.3926
								1405	5.937	1.4124
								1411	4.139	1.4393
								1418	2.373	1.4595
								1424	1.868	1.4708
								1434	1.340	1.4851
								1446	1.248	1.4989
								1453	1.421	1.5072
								1457	2.211	1.5136
								1459	3.066	1.5183
								1504	3.999	1.5340

Conversion Factor: CFS to IN/HR, multiply by 0.053319.

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED Y-10

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
							4- 1	1507	4.019	1.5447
								1514	2.781	1.5658
								1520	2.021	1.5786
								1529	1.381	1.5922
								1538	1.058	1.6020
								1548	1.058	1.6114
								1557	1.300	1.6208
								1610	1.058	1.6344
								1621	0.880	1.6439
								1629	0.725	1.6496
								1706	0.565	1.6708
								1720	0.520	1.6776
								1735	0.452	1.6841
								1753	0.447	1.6913
								1807	0.400	1.6965
								1820	0.314	1.7006
								1836	0.250	1.7047
								1847	0.214	1.7069
								1857	0.186	1.7087
								1916	0.158	1.7116
								1936	0.120	1.7141
								2001	0.104	1.7166
								2028	0.087	1.7188
								2051	0.067	1.7204
								2114	0.065	1.7218
								2136	0.056	1.7229
								2155	0.053	1.7239
								2219	0.046	1.7249
								2240	0.042	1.7257
								2300	0.038	1.7265
								2325	0.037	1.7273
								2356	0.030	1.7282
								2400	0.029	1.7283

Conversion Factor: CFS to IN/HR, multiply by 0.053319.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS, WATERSHED Y-10

LOCATION: Falls County, Texas; 19 miles southeast of Waco; Brazos River Basin. Lat. 31 deg. 28 min. 02 sec. N.; Long. 96 deg. 53 min. 04 sec. W.

AREA: 2.66 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS SW-11

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	2.71	3.31	5.20	1.06	2.59	6.15	0.30	1.37	2.16	1.88	4.66	2.55	33.94
	Q	0.0	0.023	3.667	0.0	0.0	2.140	0.0	0.0	0.0	0.0	0.0	0.002	5.833
1979	P	2.00	2.57	4.54	5.42	12.27	4.69	1.32	3.17	2.55	3.02	0.86	4.75	47.16
	Q	0.006	0.071	1.399	2.826	7.681	2.932	0.0	0.0	0.0	0.0	0.0	0.034	14.948
STA AV	P	1.97	2.61	2.67	3.55	3.85	3.76	1.97	2.29	3.10	3.67	2.99	2.64	35.07
	Q	0.275	0.492	0.738	0.555	0.736	0.971	0.047	0.004	0.358	0.566	0.660	0.455	5.857

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	3.272	3- 6	2.216	3- 6	3.080	3- 6	3.461	3- 6	3.524	3- 6	3.581	3- 6	3.628	3- 3	3.667
1979	5-11	3.419	5-11	2.107	5-10	2.724	5-10	3.310	5-10	3.338	5-10	3.630	5-10	3.678	5-28	6.275
MAXIMUMS FOR PERIOD OF RECORD																
	10-31 1940	6.670	6- 3 1973	2.407	3- 6 1978	3.080	3- 6 1978	3.461	3- 6 1978	3.524	10-30 1974	3.779	11-22 1940	3.900	5-28 1979	6.275

Watershed Conditions: 1978 - 98% summer hay crop and fall planted oats; 2% roads.
1979 - 98% Pasture; 2% roads.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1969, USDA Misc. Pub. 1370, p. 42.023-5.
Precipitation: Records began March 1938. Data from rain gage 89.
Runoff: Records began March 1938. Station discontinued July 1943, reestablished July 1, 1969, and not in operation during 1976. Part-year records included in station averages.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS SW-11

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.48	1.03	0.0	0.0	0.0
2	0.04	0.0	0.0	0.0	0.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.78	0.0	0.0	0.0	0.0	0.0	0.17
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.0
5	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.59	0.0	0.06	1.04	0.0
6	0.0	0.07	4.90	0.0	0.0	4.38	0.0	0.0	0.0	0.0	0.0	0.02
7	0.0	0.15	0.0	0.0	0.0	0.81	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.0	0.0	0.0
10	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.32	0.0	0.0	0.0
11	1.03	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.39	0.0	0.0	0.30	0.0	0.0	0.0	0.22	0.0	0.0	0.0
13	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0
16	1.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.0
17	0.0	0.79	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.21	0.0
20	0.0	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0	0.0	0.01	0.0
21	0.06	0.0	0.0	0.0	0.54	0.0	0.0	0.04	0.0	0.0	0.42	0.0
22	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0
23	0.0	0.0	0.15	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.82	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	0.0
27	0.0	0.04	0.0	0.0	0.0	0.0	0.20	0.0	0.10	0.0	0.05	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
31	0.22		0.0		0.0		0.0	0.26		0.0		2.15
TOTAL	2.71	3.31	5.20	1.06	2.59	6.15	0.30	1.37	2.16	1.88	4.66	2.55
STA AV	1.97	2.61	2.55	3.42	3.29	3.70	2.02	2.22	3.14	3.72	3.15	2.49

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 89.
Station Averages: 15 yr beginning 1938 (part-year records included). Station discontinued July 1943, reestablished July 1, 1969, and not in operation during 1976.

1979 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS SW-11

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.46	0.77	0.71	0.0	0.37	0.0	0.0	0.0	0.0
2	0.0	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.20	0.12	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0
5	0.09	0.46	0.0	0.0	0.0	0.98	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.47	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0
7	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.36	0.0	0.0	0.0	2.11	0.23	0.65	0.39	0.0	0.0	0.0	0.0
11	0.44	0.0	0.09	0.17	2.66	0.0	0.0	1.99	0.0	0.0	0.0	0.82
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.19	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.0	0.0
16	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.59	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
18	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.11	0.0	0.29	0.0
19	0.07	0.0	0.93	0.74	0.0	0.0	0.0	0.0	1.29	0.0	0.0	0.0
20	0.24	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.10	0.0	0.0	0.0
21	0.0	0.0	0.41	0.0	0.86	0.0	0.0	0.0	0.0	0.0	0.40	0.67
22	0.0	0.0	0.54	0.0	1.33	0.0	0.0	0.40	0.0	0.72	0.0	0.62
23	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.18
24	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.17	0.0
25	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.05	0.0	0.0	0.0	0.0	2.77	0.12	0.0	0.0	0.0	0.0	0.0
27	0.0	0.14	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.45	0.0	0.0	0.0	0.0	0.0	0.0	0.88
29	0.14		0.0	0.46	1.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.12		0.34	0.0	0.90	0.0	0.0	0.0	0.0	1.61	0.0	0.0
31	0.0		0.17		0.0		0.0	0.0		0.0		0.0
TOTAL	2.00	2.57	4.54	5.42	12.27	4.69	1.32	3.17	2.55	3.02	0.86	4.75
STA AV	1.97	2.61	2.67	3.55	3.85	3.76	1.97	2.29	3.10	3.67	2.99	2.64

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 89.
Station Averages: 16 yr beginning 1938 (part-year records included). Station discontinued July 1943, reestablished July 1, 1969, and not in operation during 1976.

1978 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS SW-11

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.378	0.0	0.0	0.175	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.025	0.0	0.0	0.037	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.004	0.0	0.0	0.027	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.002	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0 T
MEAN	0.0	0.0001	0.0132	0.0	0.0	0.0080	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.0	0.023	3.667	0.0	0.0	2.140	0.0	0.0	0.0	0.0	0.0	0.002
STA AV	0.294	0.523	0.694	0.404	0.273	0.849	0.050	0.005	0.383	0.606	0.707	0.485

Station Averages: 15 yr beginning 1938 (part-year records included). Station discontinued July 1943, reestablished July 1, 1969, and not in operation during 1976.
Conversion Factor: CFS to IN/DAY, multiply by 8.94803.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS SW-11

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	De
1	0.0	0.0	0.0	0.304	0.002	0.255	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0 T	0.005	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.002	0.004	0.001	0.002	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.001	0.0	0.002	0.0 T	0.001	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.002	0.0	0.0	0.0	0.042	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.003	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.001	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.001	0.0	0.0	0.0	0.022	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.0	0.0	0.384	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.308	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.019	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.012	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.065	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.035	0.0	0.041	0.0	0.0	0.0	0.0	0.0	0.0	0.001
23	0.0	0.0	0.005	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.001
24	0.0	0.001	0.001	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0 T	0.018	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.001
29	0.0		0.0	0.0	0.265	0.0	0.0	0.0	0.0	0.0	0.0	0.001
30	0.0		0.0	0.0	0.107	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.010		0.0	0.0		0.0		0.0
MEAN	0.0	0.0003	0.0050	0.0105	0.0277	0.0109	0.0	0.0	0.0	0.0	0.0	0.0001
INCHES	0.006	0.071	1.399	2.826	7.681	2.932	0.0	0.0	0.0	0.0	0.0	0.034
STA AV	0.275	0.492	0.738	0.555	0.736	0.971	0.047	0.004	0.358	0.566	0.660	0.455

Station Averages: 16 yr beginning 1938 (part-year records included). Station discontinued July 1943, reestablished July 1, 1969, and not in operation during 1976.
Conversion Factor: CFS to IN/DAY, multiply by 8.94803.

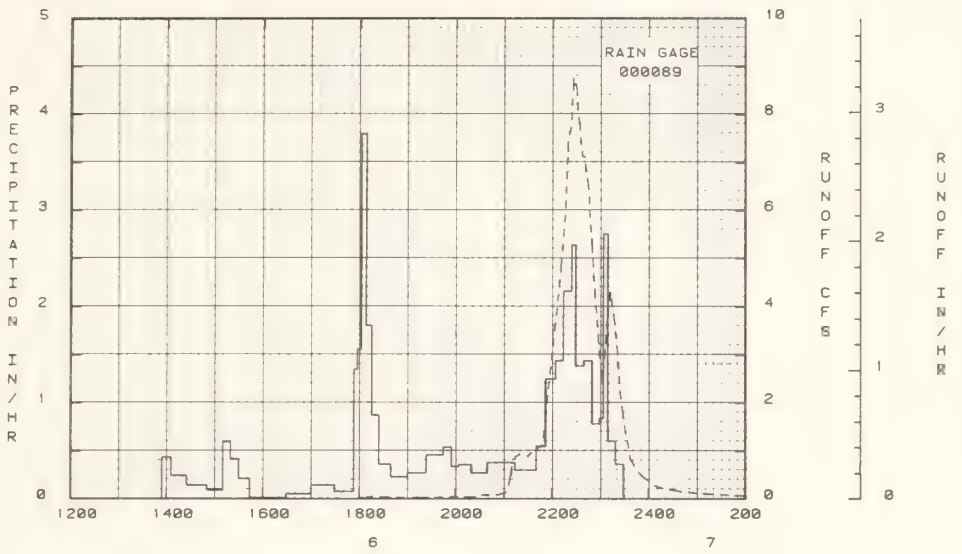
1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS SW-11

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MARCH 6 - 7, 1978						
RG 000089				RG 000089						
3- 6	0.0	0.0	3- 6	1354	0.0	0.0	3- 6	1359	0.0	0.0
				1405	0.4364	0.08		1402	0.005	0.0001
				1425	0.2400	0.16		1420	0.006	0.0007
				1450	0.1440	0.22		1444	0.006	0.0016
				1510	0.0900	0.25		1505	0.004	0.0022
WATERSHED CONDITIONS:										
98% summer hay crop and fall planted oats; 2% roads.				1520	0.6000	0.35		1514	0.006	0.0025
				1530	0.4200	0.42		1529	0.006	0.0031
				1544	0.2143	0.47		1557	0.004	0.0039
				1629	0.0133	0.48		1620	0.003	0.0044
				1700	0.0581	0.51		1640	0.003	0.0048
				1729	0.1448	0.56		1700	0.003	0.0052
				1753	0.0750	0.61		1714	0.006	0.0055
				1757	1.3500	0.70		1734	0.004	0.0062
				1802	1.5600	0.83		1752	0.004	0.0066
				1808	3.8000	1.21		1759	0.012	0.0070
				1815	1.8000	1.42		1805	0.029	0.0077
				1824	0.8667	1.55		1809	0.044	0.0086
				1839	0.3600	1.64		1817	0.045	0.0108
				1900	0.2286	1.72		1829	0.026	0.0135
				1924	0.2750	1.83		1847	0.017	0.0159
				1945	0.4571	1.99		1909	0.016	0.0182
				1955	0.5400	2.08		1926	0.023	0.0202
				2004	0.3333	2.13		1944	0.028	0.0231
				2019	0.3600	2.22		1954	0.035	0.0250
				2039	0.2700	2.31		2014	0.033	0.0293
				2114	0.3771	2.53		2025	0.042	0.0318
				2140	0.3000	2.66		2033	0.081	0.0349
				2152	0.5500	2.77		2054	0.094	0.0463
				2204	1.2500	3.02		2103	0.142	0.0529
				2214	1.4400	3.26		2108	0.410	0.0615

Conversion Factor: CFS to IN/HR, multiply by 0.372835.

1978 SELECTED RUNOFF EVENT							RIESEL (WACO), TEXAS SW-11			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	MARCH	6 - 7, 1978	(CONTINUED)				
			3- 6	2224	2.1600	3.62	3- 6	2110	0.674	0.0682
				2229	2.6400	3.84		2114	0.870	0.0874
				2239	1.3800	4.07		2120	0.942	0.1212
				2249	1.4400	4.31		2130	0.879	0.1778
				2259	0.7800	4.44		2134	0.968	0.2007
				2304	0.8400	4.51		2141	1.040	0.2444
				2309	2.7600	4.74		2148	1.126	0.2915
				2319	0.6000	4.84		2152	1.696	0.3266
				2329	0.3600	4.90		2157	2.596	0.3932
								2204	3.672	0.5296
								2211	4.863	0.7152
								2216	5.910	0.8825
								2219	7.431	1.0069
								2223	7.736	1.1954
								2226	8.777	1.3493
								2230	8.543	1.5645
								2234	7.672	1.7661
								2237	7.122	1.9039
								2240	7.110	2.0366
								2245	6.436	2.2470
								2249	5.269	2.3925
								2253	4.322	2.5117
								2258	3.226	2.6289
								2301	2.699	2.6842
								2303	2.478	2.7163
								2306	3.099	2.7683
								2309	3.845	2.8330
								2313	4.304	2.9343
								2317	3.778	3.0348
								2322	2.999	3.1400
								2325	2.232	3.1888
								2329	1.666	3.2372
								2332	1.353	3.2654
								2338	0.807	3.3056
								2349	0.534	3.3515
								2400	0.355	3.3819
							3- 7	9	0.247	3.3987
								32	0.166	3.4282
								41	0.142	3.4368
								50	0.129	3.4444
								121	0.093	3.4658
								155	0.063	3.4822

Conversion Factor: CFS to IN/HR, multiply by 0.372835.



EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS SW-11

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS SW-11

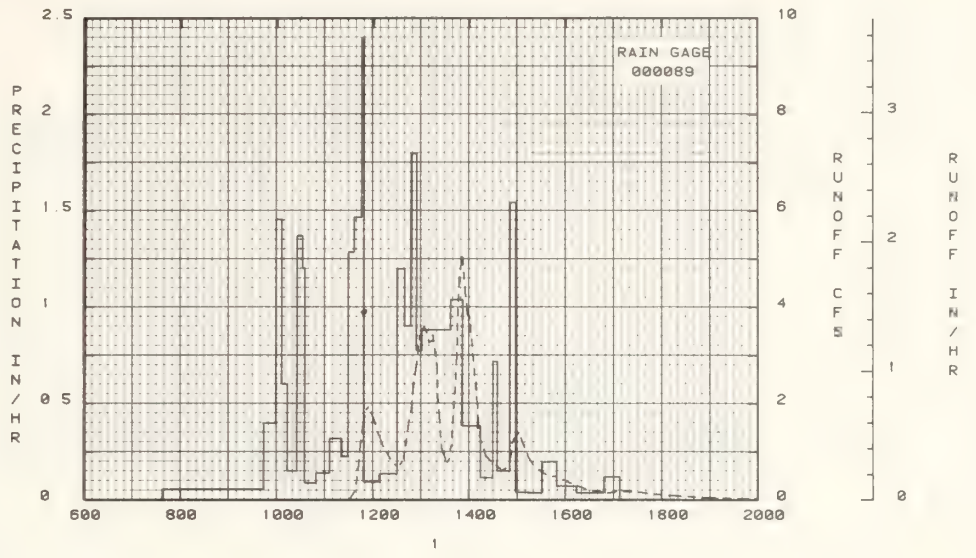
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
RG 000089			RG 000089							
4- 1	0.0	0.0	4- 1	737	0.0	0.0	4- 1	1114	0.0	0.0
				758	0.0571	0.02		1123	0.010	0.0003
				944	0.0566	0.12		1132	0.043	0.0018
				959	0.4000	0.22		1138	0.186	0.0060
				1006	1.4571	0.39		1142	0.701	0.0170
WATERSHED CONDITIONS: 98% Pasture; 2% roads.				1013	0.6000	0.46		1144	1.105	0.0283
				1025	0.1500	0.49		1147	1.512	0.0527
				1032	1.3714	0.65		1150	1.753	0.0831
				1035	1.2000	0.71		1152	1.863	0.1057
				1049	0.0857	0.73		1154	1.934	0.1294
				1106	0.1412	0.77		1158	1.811	0.1759
				1121	0.3200	0.85		1203	1.561	0.2283
				1129	0.2250	0.88		1207	1.357	0.2646
				1136	1.2857	1.03		1213	1.098	0.3103
				1145	1.4667	1.25		1218	0.955	0.3422
				1148	2.4000	1.37		1222	0.848	0.3646
				1208	0.0900	1.40		1227	0.740	0.3893
				1230	0.1364	1.45		1230	0.689	0.4026
				1239	1.2000	1.63		1234	0.735	0.4203
				1247	0.9000	1.75		1236	0.788	0.4298
				1254	1.8000	1.96		1238	0.862	0.4400
				1301	0.7714	2.05		1240	1.007	0.4517
				1337	0.8833	2.58		1241	1.126	0.4583
				1352	1.0400	2.84		1244	1.516	0.4829
				1414	0.3818	2.98		1248	1.906	0.5254
				1430	0.1125	3.01		1250	2.287	0.5515
				1435	0.7200	3.07		1255	2.884	0.6318
				1451	0.1500	3.11		1258	3.363	0.6901
				1458	1.5429	3.29		1302	3.559	0.7761
				1514	0.0375	3.30		1304	3.591	0.8205

Conversion Factor: CFS to IN/HR, multiply by 0.372835.

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS SW-11

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
			4- 1	1531	0.0353	3.31	4- 1	1307	3.456	0.8862
				1549	0.2000	3.37		1310	3.263	0.9488
				1614	0.0720	3.40		1314	3.309	1.0305
				1648	0.0353	3.42		1315	3.432	1.0514
				1708	0.1200	3.46		1320	2.782	1.1480
								1321	2.173	1.1634
								1323	1.744	1.1877
								1326	1.064	1.2139
								1331	0.842	1.2435
								1333	0.777	1.2535
								1336	0.873	1.2689
								1337	1.057	1.2749
								1338	1.154	1.2818
								1343	2.348	1.3362
								1345	3.070	1.3699
								1346	3.972	1.3917
								1348	4.625	1.4452
								1351	5.049	1.5353
								1352	5.019	1.5666
								1355	4.367	1.6541
								1358	3.836	1.7306
								1359	3.721	1.7540
								1401	3.778	1.8006
								1404	3.181	1.8655
								1408	2.426	1.9352
								1411	1.897	1.9755
								1412	1.487	1.9860
								1413	1.334	1.9947
								1421	0.923	2.0508
								1427	0.807	2.0831
								1434	0.709	2.1160
								1438	0.646	2.1329
								1442	0.622	2.1486
								1446	0.666	2.1647
								1451	0.820	2.1877
								1453	1.034	2.1993
								1454	1.179	2.2061
								1456	1.293	2.2215
								1458	1.392	2.2382
								1502	1.380	2.2726
								1505	1.289	2.2975
								1509	1.098	2.3272
								1514	0.892	2.3581
								1520	0.727	2.3883
								1529	0.596	2.4253
								1536	0.534	2.4498
								1544	0.484	2.4751
								1549	0.482	2.4901
								1558	0.410	2.5151
								1607	0.343	2.5361
								1626	0.221	2.5694
								1640	0.171	2.5865
								1647	0.154	2.5935
								1653	0.145	2.5991
								1704	0.178	2.6102
								1714	0.166	2.6208
								1733	0.149	2.6394
								1754	0.108	2.6562
								1800	0.103	2.6601
								1815	0.084	2.6689
								1859	0.036	2.6853
								1948	0.023	2.6942
								2134	0.015	2.7067
								2400	0.009	2.7176

Conversion Factor: CFS to IN/HR, multiply by 0.372835.



EVENT CP APRIL 1, 1979

RIESEL (WACC), TEXAS SW-11

LOCATION: McLennan Co., Texas; 19 mi. SE of Waco; Brazos River Basin. Lat. 31 deg. 28 min. 48 sec. N.; Long. 96 deg. 52 min. 59 sec. W.

AREA: 2.97 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED SW-12

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.77	3.14	5.40	1.10	2.65	6.24	0.27	1.51	2.09	1.87	4.61	2.53	34.18
1978	Q	0.0	0.030	4.106	0.0	0.0	0.171	0.0	0.0	0.0	0.0	0.0	0.028	4.336
	P	2.13	2.64	4.63	5.24	12.10	4.80	1.44	3.34	2.67	3.34	0.76	4.98	48.07
1979	Q	0.144	0.706	2.170	3.216	7.663	1.096	0.0	0.0	0.0	0.005	0.0	0.472	15.473
STA AV	P	2.06	2.60	2.42	3.99	4.00	3.56	1.82	2.13	2.93	3.13	2.79	2.37	33.80
	Q	0.472	0.673	0.803	0.841	0.836	0.455	0.100	0.015	0.112	0.145	0.236	0.415	5.102

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	2.781	3- 6	2.068	3- 6	2.839	3- 6	3.945	3- 6	4.063	3- 6	4.086	3- 6	4.102	3- 1	4.107
1979	5-11	3.877	5-10	2.318	5-10	3.239	5-10	3.753	5-10	3.770	5-10	4.009	5-10	4.010	5- 4	4.010
MAXIMUMS FOR PERIOD OF RECORD																
	6- 3	4.403	3-29	3.070	3-29	3.830	3-29	4.620	3-29	4.800	3-29	5.340	3-29	5.390	4-19	8.530
	1973		1965		1965		1965		1965		1965		1965		1957	

Watershed Conditions: 100% native grass meadow mowed annually for hay.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 42.24-4.
Precipitation: Records began Jan. 1, 1938. Data from rain gage 70.
Runoff: Records began Jan. 1, 1938. Station not in operation July 1943 to June 1, 1947. Part-year records not included in station averages.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS WATERSHED SW-12

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.24	0.0	0.41	0.79	0.0	0.0	0.0
2	0.04	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	1.18	0.0	0.0	0.0	0.0	0.0	0.15
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0
5	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.85	0.0	0.06	0.93	0.0
6	0.0	0.09	5.18	0.0	0.0	4.16	0.0	0.0	0.0	0.0	0.02	0.02
7	0.0	0.17	0.0	0.0	0.0	0.66	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0
10	0.0	0.0	0.0	0.78	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0
11	1.05	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.36	0.0	0.0	0.28	0.0	0.0	0.0	0.29	0.0	0.0	0.0
13	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0
16	1.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.0
17	0.0	0.53	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.35	0.0
20	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.05	0.0	0.0	0.0	0.50	0.0	0.0	0.04	0.0	0.0	0.34	0.0
22	0.0	0.0	0.0	0.11	0.03	0.0	0.0	0.0	0.0	0.0	0.09	0.0
23	0.0	0.0	0.10	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.81	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.91	0.0
27	0.0	0.06	0.0	0.0	0.0	0.0	0.16	0.0	0.12	0.0	0.05	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
31	0.24		0.0		0.0		0.0	0.21		0.0		2.12
TOTAL	2.77	3.14	5.40	1.10	2.65	6.24	0.27	1.51	2.09	1.87	4.61	2.53
STA AV	2.06	2.60	2.36	3.96	3.78	3.53	1.83	2.09	2.94	3.12	2.85	2.30

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 70.
Station Averages: 36 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to June 1947.

1979 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS WATERSHED SW-12

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.22	0.86	0.75	0.0	0.18	0.0	0.0	0.0	0.0
2	0.0	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.21	0.11	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.09	0.45	0.0	0.0	0.0	0.91	0.0	0.0	0.0	0.0	0.0	0.0
6	0.05	0.48	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
7	0.14	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.92	0.0	0.0	0.0	2.20	0.37	0.63	0.50	0.0	0.0	0.0	0.0
11	0.0	0.0	0.19	0.16	2.33	0.0	0.0	1.59	0.0	0.0	0.0	1.01
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.36	0.0	0.0	0.0	0.0	0.0	0.0	1.01	0.0	0.0
16	0.0	0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.62	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0
18	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.27	0.0	0.24	0.0
19	0.08	0.0	0.81	0.93	0.0	0.0	0.0	0.0	1.31	0.0	0.0	0.0
20	0.23	0.0	0.04	0.0	0.0	0.0	0.12	0.0	0.09	0.0	0.0	0.0
21	0.0	0.0	0.38	0.0	0.85	0.0	0.0	0.0	0.0	0.0	0.31	0.75
22	0.0	0.0	0.51	0.0	1.39	0.0	0.0	0.89	0.0	0.74	0.0	0.57
23	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.17
24	0.0	0.51	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.21	0.0
25	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	2.77	0.08	0.0	0.0	0.0	0.0	0.0
27	0.0	0.14	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.36	0.0	0.0	0.0	0.0	0.0	0.0	0.89
29	0.16		0.0	0.31	2.16	0.0	0.0	0.0	0.0	0.0	0.0	0.04
30	0.11		0.30	0.0	0.81	0.0	0.0	0.0	0.0	1.59	0.0	0.0
31	0.0		0.18		0.0		0.0	0.0		0.0		0.0
TOTAL	2.13	2.64	4.63	5.24	12.10	4.80	1.44	3.34	2.67	3.34	0.76	4.98
STA AV	2.06	2.60	2.42	3.99	4.00	3.56	1.82	2.13	2.93	3.13	2.79	2.37

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 70.
Station Averages: 37 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to June 1947.

1978 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED SW-12

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.491	0.0	0.0	0.014	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.020	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.001	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.003
MEAN	0.0	0.0001	0.0165	0.0	0.0	0.0007	0.0	0.0	0.0	0.0	0.0	0.0001
INCHES	0.0	0.030	4.106	0.0	0.0	0.171	0.0	0.0	0.0	0.0	0.0	0.028
STA AV	0.481	0.672	0.765	0.775	0.647	0.437	0.103	0.016	0.115	0.149	0.242	0.413

Station Averages: 36 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to June 1947.
Conversion Factor: CFS to IN/DAY, multiply by 8.014061.

1979	MEAN DAILY DISCHARGE (CFS)							RIESEL (WACO), TEXAS WATERSHED SW-12				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.009	0.0	0.0	0.370	0.007	0.060	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.005	0.003	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.011	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.002	0.001	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.028	0.0	0.0	0.0	0.048	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.046	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.002	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.005	0.0	0.0	0.0	0.049	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.002	0.0	0.0	0.0	0.452	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.042	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.044	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.066	0.026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.009	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.027	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T
22	0.0	0.0	0.062	0.0	0.072	0.0	0.0	0.0	0.0	0.0	0.0	0.002
23	0.0	0.0	0.0 T	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.041
24	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T
25	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.028	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.046	0.0	0.0	0.0	0.0	0.0	0.0	0.009
29	0.0		0.0	0.0	0.240	0.0	0.0	0.0	0.0	0.0	0.0	0.007
30	0.0		0.0	0.0	0.089	0.0	0.0	0.0	0.0	0.001	0.0	0.0 T
31	0.0		0.0		0.001		0.0	0.0		0.0		0.0
MEAN	0.0006	0.0031	0.0087	0.0134	0.0308	0.0046	0.0	0.0	0.0	0.0	0.0	0.0019
INCHES	0.144	0.706	2.170	3.216	7.663	1.096	0.0	0.0	0.0	0.005	0.0	0.472
STA AV	0.472	0.673	0.803	0.841	0.836	0.455	0.100	0.015	0.112	0.145	0.236	0.415

Station Averages: 37 yr beginning 1938 (part-year records not included). Station not in operation July 1943 to June 1947.
Conversion Factor: CFS to IN/DAY, multiply by 8.014061.

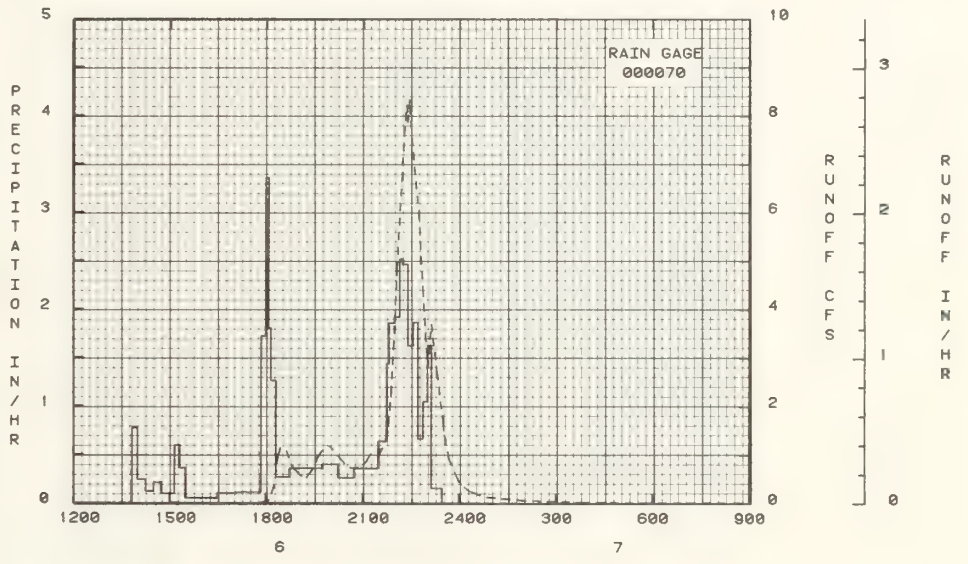
1978	SELECTED RUNOFF EVENT							RIESEL (WACO), TEXAS WATERSHED SW-12			
ANTECEDENT CONDITIONS				RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF MARCH 6 - 7, 1978										
RG 000070				RG 000070						
3- 6	0.0	0.0	3- 6	1350	0.0	0.0	3- 6	1745	0.0	0.0
				1400	0.7800	0.13		1806	0.067	0.0039
				1415	0.2400	0.19		1816	0.380	0.0164
				1430	0.1200	0.22		1822	0.955	0.0386
				1444	0.2143	0.27		1827	1.147	0.0679
WATERSHED CONDITIONS:										
100% native grass meadow,				1509	0.0960	0.31		1838	1.071	0.1358
12 to 14 inches, dormant.				1519	0.6000	0.41		1852	0.699	0.2047
				1529	0.3600	0.47		1907	0.550	0.2569
				1629	0.0500	0.52		1915	0.530	0.2809
				1704	0.1029	0.58		1928	0.722	0.3262
				1751	0.1149	0.67		1937	0.965	0.3684
				1759	1.7250	0.90		1945	1.088	0.4141
				1804	3.3600	1.18		1955	1.186	0.4774
				1809	1.8000	1.33		2005	1.102	0.5411
				1819	1.2600	1.54		2026	0.823	0.6536
				1844	0.2640	1.65		2038	0.717	0.7050
				1944	0.3600	2.01		2051	0.735	0.7575
				2014	0.4000	2.21		2106	0.848	0.8236
				2044	0.2600	2.34		2115	1.010	0.8701
				2104	0.3600	2.46		2130	0.971	0.9528
				2129	0.3600	2.61		2137	1.140	0.9939
				2144	0.6400	2.77		2147	1.483	1.0669
				2149	1.4400	2.89		2153	2.267	1.1295
				2159	1.8600	3.20		2158	3.363	1.2079
				2209	1.9200	3.52		2204	4.990	1.3473
				2214	2.5200	3.73		2212	6.679	1.6071
				2224	2.4600	4.14		2217	7.608	1.8059
				2234	1.6200	4.41		2221	8.220	1.9821
				2243	1.8667	4.69		2223	7.865	2.0716
				2253	0.6600	4.80		2226	8.327	2.2067

Conversion Factor: CFS to IN/HR, multiply by 0.3339152.

1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS WATERSHED SW-12

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2301	1.0500	4.94	3- 6	2232	7.381	2.4690
				2308	1.6286	5.13		2244	5.976	2.9150
				2328	0.1500	5.18		2252	4.413	3.1463
								2258	3.332	3.2756
								2302	2.788	3.3437
								2308	3.704	3.4521
								2319	2.688	3.6478
								2332	1.504	3.7994
								2341	0.920	3.8601
								2400	0.428	3.9314
							3- 7	18	0.250	3.9653
								39	0.160	3.9893
								54	0.123	4.0011
								204	0.047	4.0342

Conversion Factor: CFS to IN/HR, multiply by 0.3339192.



EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED SW-12

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED SW-12

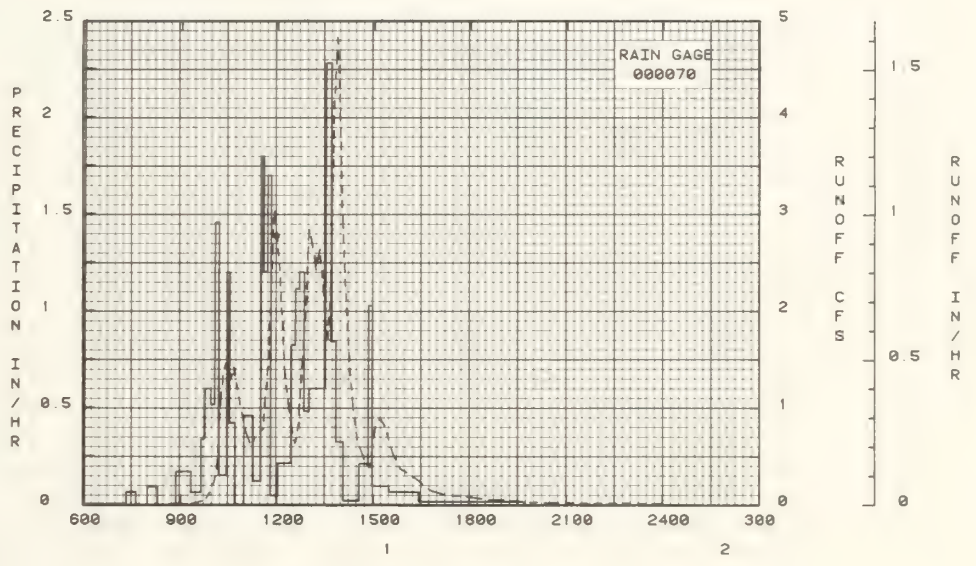
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
RG 000070			RG 000070							
4- 1	0.0	0.0	4- 1	128	0.0	0.0	4- 1	804	0.0	0.0
				155	0.0	0.0		822	0.002	0.0001
				718	0.0056	0.03		845	0.006	0.0006
				736	0.0667	0.05		907	0.009	0.0015
				758	0.0	0.05		926	0.023	0.0032
WATERSHED CONDITIONS:										
100% native grass meadow,				817	0.0947	0.08		939	0.041	0.0055
12 to 14 inches, dormant.				851	0.0	0.08		948	0.066	0.0082
				919	0.1714	0.16		954	0.127	0.0114
				938	0.0632	0.18		1002	0.229	0.0194
				945	0.3429	0.22		1008	0.369	0.0298
				956	0.6000	0.33		1011	0.717	0.0392
				1003	0.5143	0.39		1015	1.088	0.0593
				1010	1.4571	0.56		1019	1.342	0.0863
				1026	0.1500	0.60		1021	1.420	0.1017
				1031	1.2000	0.70		1024	1.463	0.1257
				1041	0.4200	0.77		1028	1.400	0.1576
				1058	0.0	0.77		1030	1.296	0.1726
				1115	0.4588	0.90		1033	1.296	0.1943
				1130	0.1200	0.93		1036	1.346	0.2163
				1134	1.8000	1.05		1038	1.420	0.2317
				1142	1.2000	1.21		1041	1.330	0.2547
				1148	1.7000	1.38		1049	1.102	0.3088
				1201	0.0462	1.39		1057	0.851	0.3523
				1226	0.2160	1.48		1102	0.748	0.3745
				1234	0.8250	1.59		1109	0.639	0.4016
				1241	1.1143	1.72		1114	0.596	0.4187
				1250	1.2000	1.90		1119	0.701	0.4368
				1300	0.4800	1.98		1128	0.753	0.4732
				1330	0.6000	2.28		1135	0.785	0.5032
				1340	2.2800	2.66		1137	1.040	0.5133
				1350	0.8400	2.80		1143	1.431	0.5546
				1403	0.3231	2.87		1148	2.138	0.6042
				1433	0.0200	2.88		1151	2.694	0.6446
				1450	0.2118	2.94		1152	2.953	0.6603
				1457	1.0286	3.06		1154	3.034	0.6936
				1529	0.0938	3.11		1159	2.794	0.7747
				1625	0.0643	3.17		1205	2.328	0.8602
				1741	0.0158	3.19		1210	1.802	0.9177
				1941	0.0150	3.22		1214	1.380	0.9531
								1221	1.034	1.0001
								1229	0.740	1.0396
								1234	0.625	1.0586
								1237	0.694	1.0696
								1240	0.854	1.0825
								1242	1.037	1.0930
								1248	1.536	1.1360
								1254	2.080	1.1964
								1257	2.661	1.2360
								1259	2.839	1.2666
								1304	2.716	1.3439
								1309	2.526	1.4168
								1312	2.421	1.4581
								1319	2.644	1.5567
								1325	2.237	1.6382
								1331	1.847	1.7064
								1334	1.709	1.7361
								1340	2.297	1.8030
								1342	3.188	1.8335
								1345	4.101	1.8944
								1349	4.616	1.9914
								1351	4.834	2.0440
								1356	4.040	2.1675
								1402	2.850	2.2825
								1409	2.023	2.3774
								1415	1.483	2.4359
								1422	0.974	2.4838
								1430	0.669	2.5204
								1442	0.469	2.5584
								1452	0.385	2.5821
								1455	0.426	2.5889

Conversion Factor: CFS to IN/HR, multiply by 0.3339192.

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED SW-12

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
							4- 1	1459	0.617	2.6005
								1504	0.815	2.6204
								1512	0.905	2.6587
								1521	0.809	2.7017
								1536	0.532	2.7576
								1550	0.365	2.7926
								1602	0.332	2.8158
								1617	0.277	2.8413
								1632	0.207	2.8615
								1650	0.143	2.8790
								1714	0.100	2.8952
								1741	0.087	2.9093
								1759	0.078	2.9175
								1823	0.061	2.9268
								1838	0.052	2.9315
								1904	0.045	2.9385
								1939	0.033	2.9461
								2032	0.016	2.9534
								2400	0.008	2.9673

Conversion Factor: CFS to IN/HR, multiply by 0.3339192.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS WATERSEED SW-12

LOCATION: Falls Co., Texas; 19 mi. SE of Waco; Brazos River Basin. Lat. 31 deg. 27 min. 45 sec. N.; Long. 96 deg. 53 min. 14 sec. W.

AREA: 2.99 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED SW-17

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.96	3.20	5.33	1.26	2.46	6.37	0.65	1.58	2.14	1.90	4.53	2.59	34.97
1978	Q	0.001	0.043	3.970	0.0	0.0	0.542	0.0	0.0	0.0	0.0	0.0	0.139	4.695
	P	2.02	2.47	4.69	5.32	12.21	5.10	1.40	3.14	2.53	3.15	0.94	4.76	47.73
1979	Q	0.082	0.562	1.240	3.184	6.941	1.663	0.0	0.006	0.0	0.013	0.0	0.608	14.300
STA AV	P	1.99	2.62	2.46	4.09	3.96	3.52	1.91	2.28	3.04	3.29	2.90	2.40	34.46
	Q	0.417	0.690	0.798	1.070	0.960	0.755	0.214	0.075	0.282	0.373	0.479	0.555	6.668

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval: 1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	2.436	3- 6	1.822	3- 6	2.606	3- 6	3.708	3- 6	3.962	3- 6	3.970	3- 5	3.970	2-27	3.970
1979	5-11	2.521	5-11	1.609	5-10	2.343	5-10	3.197	5-10	3.271	5-10	3.500	5-10	3.524	5-28	4.115
MAXIMUMS FOR PERIOD OF RECORD																
	10-31 1940	7.060	4-19 1957	2.540	4-19 1957	2.960	3- 6 1978	3.708	3- 6 1978	3.962	3-29 1965	4.250	11-22 1940	5.370	4-19 1957	9.420

Watershed Conditions: 100% Bermudagrass pasture.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1956-59, USDA Misc. Pub. 945, p. 42.28-5.
Precipitation: Records began Feb. 1, 1939. Data obtained from rain gage W-2.
Runoff: Records began Feb. 1, 1939. Station not in operation July 1943 to Jan. 1, 1948. Part-year records not included in station averages.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS WATERSHED SW-17

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.49	0.75	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.64	0.0	0.0	0.0	0.0	0.0	0.17
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.0	0.0
5	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.70	0.0	0.07	1.06	0.0
6	0.0	0.09	5.02	0.0	0.0	4.77	0.0	0.0	0.0	0.0	0.0	0.02
7	0.0	0.19	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.0
10	0.0	0.0	0.0	0.86	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0
11	1.12	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.42	0.0	0.0	0.18	0.0	0.0	0.0	0.24	0.0	0.0	0.0
13	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0
16	1.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	0.0
17	0.0	0.49	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.11	0.0
20	0.0	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0	0.0	0.04	0.0
21	0.06	0.0	0.0	0.0	0.48	0.0	0.0	0.05	0.0	0.0	0.48	0.0
22	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.17	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.79	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.99	0.0
27	0.0	0.05	0.0	0.0	0.0	0.0	0.20	0.0	0.10	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
31	0.30		0.0		0.0		0.0	0.34		0.0		2.33
TOTAL	2.96	3.20	5.33	1.26	2.46	6.37	0.65	1.58	2.14	1.90	4.53	2.59
STA AV	1.99	2.63	2.39	4.06	3.72	3.48	1.92	2.25	3.05	3.30	2.96	2.33

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage W-2.
Station Averages: 34 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to Jan. 1, 1948.

1979 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS WATERSHED SW-17

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.51	0.80	0.90	0.0	0.39	0.0	0.0	0.0	0.0
2	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.06	0.14	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.07	0.42	0.0	0.0	0.0	0.98	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.53	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
7	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.88	0.0	0.0	0.0	3.74	0.08	0.59	0.31	0.0	0.0	0.0	0.0
11	0.0	0.0	0.09	0.17	0.99	0.0	0.0	2.10	0.0	0.0	0.0	0.73
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.17	0.0	0.0	0.0	0.0	0.0	0.0	0.84	0.0	0.0
16	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.51	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0
18	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.25	0.0	0.32	0.0
19	0.11	0.0	0.97	0.64	0.0	0.0	0.0	0.0	1.20	0.0	0.0	0.0
20	0.20	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.08	0.0	0.0	0.0
21	0.0	0.0	0.44	0.0	0.85	0.0	0.0	0.0	0.0	0.0	0.38	0.71
22	0.0	0.0	0.53	0.0	1.46	0.0	0.0	0.23	0.0	0.77	0.0	0.58
23	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.18
24	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.24	0.0
25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	3.14	0.07	0.0	0.0	0.0	0.0	0.0
27	0.0	0.11	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.35	0.0	0.0	0.0	0.0	0.0	0.0	0.90
29	0.12		0.0	0.49	1.96	0.0	0.0	0.0	0.0	0.0	0.0	0.03
30	0.15		0.34	0.0	0.84	0.0	0.0	0.0	0.0	1.54	0.0	0.0
31	0.0		0.19		0.0		0.0	0.0		0.0		0.0
TOTAL	2.02	2.47	4.69	5.32	12.21	5.10	1.40	3.14	2.53	3.15	0.94	4.76
STA AV	1.99	2.62	2.46	4.09	3.96	3.52	1.91	2.28	3.04	3.29	2.90	2.40

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage W-2.
Station Averages: 35 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to Jan. 1, 1948.

1978 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED SW-17

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.463	0.0	0.0	0.065	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.035	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.017
MEAN	0.0	0.0002	0.0161	0.0	0.0	0.0023	0.0	0.0	0.0	0.0	0.0	0.0006
INCHES	0.001	0.043	3.970	0.0	0.0	0.542	0.0	0.0	0.0	0.0	0.0	0.139
STA AV	0.427	0.693	0.785	1.007	0.784	0.728	0.220	0.077	0.290	0.383	0.493	0.553

Station Averages: 34 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to Jan. 1, 1948.
Conversion Factor: CFS to IN/DAY, multiply by 7.960455.

1979	MEAN DAILY DISCHARGE (CFS)							RIESEL (WACO), TEXAS	WATERSHED SW-17			
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.394	0.005	0.086	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0 T	0.006	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.001	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.015	0.0	0.0	0.0	0.053	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.053	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0
10	0.009	0.0	0.0	0.0	0.041	0.001	0.0	0.0	0.0	0.0	0.0	0.0
11	0.002	0.0	0.0	0.0	0.399	0.002	0.0	0.001	0.0	0.0	0.0	0.001
12	0.0	0.0	0.0	0.0	0.003	0.002	0.0	0.0	0.0	0.0	0.0	0.001
13	0.0	0.0	0.0	0.0	0.001	0.002	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.001	0.002	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.011	0.0	0.0 T	0.001	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.014	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.001	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.062	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
22	0.0	0.0	0.036	0.0	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.022
23	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.038
24	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.049	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.017	0.0	0.0	0.0	0.0	0.0	0.0	0.012
29	0.0		0.0	0.0	0.253	0.0	0.0	0.0	0.0	0.0	0.0	0.001
30	0.0		0.0	0.0	0.096	0.0	0.0	0.0	0.0	0.002	0.0	0.0
31	0.0		0.0		0.007		0.0	0.0		0.0		0.0
MEAN	0.0003	0.0025	0.0050	0.0133	0.0281	0.0070	0.0	0.0	0.0	0.0001	0.0	0.0025
INCHES	0.082	0.562	1.240	3.184	6.941	1.663	0.0	0.006	0.0	0.013	0.0	0.608
STA AV	0.417	0.690	0.798	1.070	0.960	0.755	0.214	0.075	0.282	0.373	0.479	0.555

Station Averages: 35 yr beginning 1939 (part-year records not included). Station not in operation July 1943 to Jan. 1, 1948.
Conversion Factor: CFS to IN/DAY, multiply by 7.960455.

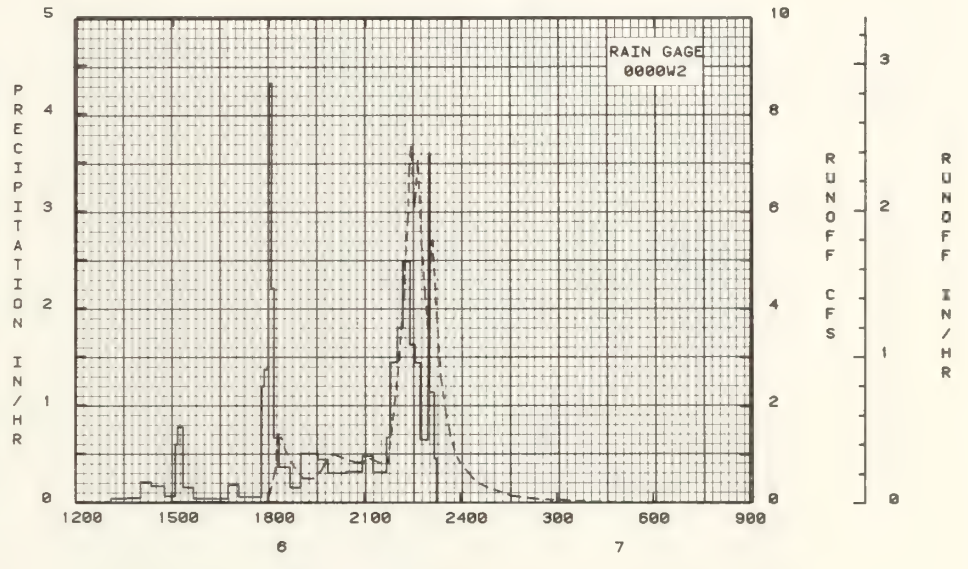
1978	SELECTED RUNOFF EVENT							RIESEL (WACO), TEXAS	WATERSHED SW-17		
ANTECEDENT CONDITIONS			RAINFALL					RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MARCH 6 - 7, 1978						
RG 0C00W2				RG 0000W2						
3- 6	0.0	0.0	3- 6	1306	0.0	0.0	3- 6	1749	0.0	0.0
				1336	0.0400	0.02		1758	0.020	0.0005
				1401	0.0480	0.04		1807	0.329	0.0092
				1421	0.2100	0.11		1814	0.728	0.0296
				1446	0.1680	0.18		1816	1.076	0.0396
WATERSHED CONDITIONS:										
100% Bermudagrass pasture,				1506	0.0600	0.20		1818	1.337	0.0529
4 to 6 inches high, dormant.				1511	0.6000	0.25		1821	1.419	0.0758
				1521	0.7800	0.38		1824	1.344	0.0987
				1541	0.1500	0.43		1827	1.287	0.1205
				1646	0.0369	0.47		1831	1.122	0.1471
				1706	0.1800	0.53		1843	0.816	0.2114
				1748	0.0571	0.57		1906	0.485	0.2941
				1753	1.2000	0.67		1926	0.502	0.3487
				1800	1.3714	0.83		1940	0.672	0.3941
				1805	4.3200	1.19		1949	0.880	0.4327
				1811	2.2000	1.41		2001	1.002	0.4952
				1821	0.6600	1.52		2021	0.907	0.6007
				1841	0.3600	1.64		2044	0.821	0.7105
				1901	0.1500	1.69		2101	0.852	0.7891
				1933	0.5062	1.96		2111	0.911	0.8379
				1952	0.4421	2.10		2132	0.799	0.9371
				2006	0.3000	2.17		2144	0.810	0.9905
				2026	0.3000	2.27		2158	2.187	1.1065
				2056	0.3200	2.43		2206	3.120	1.2238
				2116	0.4800	2.59		2213	4.366	1.3687
				2141	0.3120	2.72		2221	5.971	1.5972
				2149	0.6750	2.81		2223	6.991	1.6689
				2201	1.4500	3.10		2226	7.344	1.7878
				2211	1.8000	3.40		2233	6.100	2.0479
				2218	2.4857	3.69		2239	7.061	2.2661

Conversion Factor: CFS to IN/HR, multiply by 0.331686.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED SW-17

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2225	2.4857	3.98	3- 6	2246	5.355	2.5064
				2235	1.6200	4.25		2253	4.330	2.6938
				2245	1.4400	4.49		2258	3.626	2.8037
				2259	0.6429	4.64		2302	4.646	2.8952
				2302	3.6000	4.82		2304	5.171	2.9494
				2311	1.1333	4.99		2307	5.420	3.0373
				2315	0.4500	5.02		2315	3.846	3.2421
								2323	2.577	3.3842
								2332	1.906	3.4957
								2341	1.368	3.5771
								2353	0.943	3.6538
								2400	0.807	3.6876
							3- 7	25	0.477	3.7764
								37	0.388	3.8051
								50	0.317	3.8304
								138	0.141	3.8911
								225	0.081	3.9200

Conversion Factor: CFS to IN/HR, multiply by 0.331666.



EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED SW-17

1979 SELECTED RUNOFF EVENT — RIESEL (WACC), TEXAS WATERSHED SW-17

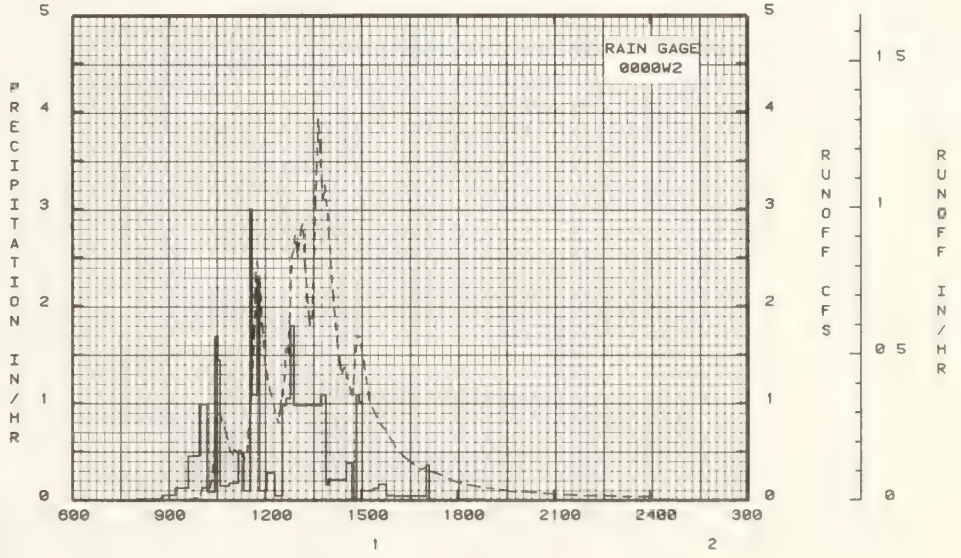
ANTECEDENT CONDITIONS			RAINFALL			RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
	RG 0000W2			RG 0000W2						
4- 1	0.0	0.0	4- 1	132	0.0	0.0	4- 1	933	0.0	0.0
				802	0.0	0.0		941	0.011	0.0002
				848	0.0130	0.01		949	0.017	0.0009
				912	0.0500	0.03		953	0.020	0.0013
				936	0.1250	0.08		959	0.064	0.0027
WATERSHED CONDITIONS:										
100% Bermudagrass pasture,				957	0.4571	0.24		1002	0.113	0.0041
4 to 6 inches high, dormant.				1011	0.9857	0.47		1003	0.135	0.0048
				1026	0.0800	0.49		1011	0.118	0.0104
				1031	1.6800	0.63		1017	0.131	0.0145
				1036	1.4400	0.75		1020	0.211	0.0174
				1053	0.1412	0.79		1023	0.367	0.0222
				1110	0.1765	0.84		1026	0.614	0.0303
				1120	0.4800	0.92		1028	0.786	0.0380
				1133	0.0923	0.94		1031	0.886	0.0519
				1135	3.0000	1.04		1036	0.886	0.0764
				1145	1.0800	1.22		1050	0.623	0.1348
				1150	2.2800	1.41		1055	0.504	0.1504
				1203	0.0923	1.43		1059	0.472	0.1611
				1218	0.2800	1.50		1104	0.522	0.1749
				1232	0.0429	1.51		1108	0.477	0.1859
				1240	0.9750	1.64		1111	0.518	0.1942
				1248	1.0500	1.78		1122	0.421	0.2227
				1254	1.8000	1.96		1126	0.485	0.2328
				1344	0.9720	2.77		1129	0.741	0.2429
				1354	1.0800	2.95		1134	0.949	0.2663
				1358	0.1500	2.96		1135	1.139	0.2721
				1432	0.2118	3.08		1140	1.728	0.3117
				1443	0.3818	3.15		1141	2.098	0.3223
				1451	0.0	3.15		1142	2.346	0.3345
				1456	1.0800	3.24		1145	2.463	0.3744
				1502	1.0000	3.34		1150	2.274	0.4399
				1522	0.0900	3.37		1155	1.790	0.4961
				1532	0.1200	3.39		1159	1.476	0.5322
				1547	0.1600	3.43		1203	1.310	0.5630
				1601	0.0429	3.44		1209	1.129	0.6034
				1702	0.0393	3.48		1216	0.975	0.6441
				1707	0.3600	3.51		1223	0.816	0.6788
								1226	0.794	0.6921
								1228	0.911	0.7016
								1230	1.035	0.7123
								1233	1.073	0.7298
								1236	1.219	0.7488
								1239	1.530	0.7716
								1240	1.567	0.7802
								1244	1.521	0.8143
								1246	1.859	0.8330
								1248	2.187	0.8553
								1250	2.500	0.8813
								1253	2.571	0.9233
								1256	2.727	0.9672
								1259	2.621	1.0116
								1301	2.500	1.0399
								1306	2.750	1.1125
								1310	2.847	1.1743
								1315	2.420	1.2471
								1320	2.020	1.3085
								1324	1.800	1.3507
								1328	1.878	1.3914
								1332	2.610	1.4410
								1334	3.132	1.4727
								1337	3.483	1.5276
								1339	3.928	1.5686
								1343	3.652	1.6524
								1346	3.286	1.7099
								1348	3.090	1.7451
								1352	3.249	1.8152
								1359	2.755	1.9314
								1407	2.122	2.0392
								1416	1.559	2.1308
								1422	1.337	2.1788

Conversion Factor: CFS to IN/HR, multiply by 0.231686.

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED SW-17

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
							4- 1	1424	1.302	2.1934
								1428	1.372	2.2230
								1432	1.310	2.2526
								1439	1.154	2.3003
								1441	1.087	2.3127
								1443	1.069	2.3246
								1444	1.150	2.3307
								1445	1.212	2.3373
								1448	1.448	2.3593
								1452	1.697	2.3941
								1457	1.675	2.4407
								1502	1.505	2.4846
								1507	1.337	2.5239
								1515	1.018	2.5760
								1529	0.849	2.6482
								1537	0.770	2.6840
								1547	0.707	2.7249
								1604	0.535	2.7832
								1620	0.441	2.8264
								1639	0.355	2.8682
								1651	0.309	2.8902
								1700	0.331	2.9061
								1716	0.283	2.9333
								1731	0.252	2.9554
								1749	0.204	2.9781
								1807	0.167	2.9966
								1832	0.137	3.0176
								1842	0.125	3.0248
								1854	0.118	3.0329
								1923	0.099	3.0503
								1948	0.085	3.0630
								2014	0.077	3.0746
								2052	0.059	3.0889
								2130	0.050	3.1004
								2207	0.043	3.1099
								2243	0.040	3.1181
								2325	0.032	3.1265
								2400	0.031	3.1326

Conversion Factor: CFS to IN/HR, multiply by 0.331686.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS WATERSHED SW-17

LOCATION: Falls County, Texas; 18 miles southeast of Waco; Brazos River Basin. Lat. 31 deg. 28 min. 35 sec. N.; Long. 96 deg. 53 min. 49 sec. W.

AREA: 3.25 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) RIESEL (WACO), TEXAS WATERSHED SW-19

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	3.03	3.22	5.37	1.04	2.82	6.51	0.41	1.80	1.66	1.90	4.64	3.06	35.46
1978	Q	0.0	0.0	3.382	0.0	0.0	1.254	0.0	0.0	0.0	0.0	0.0	0.0	4.637
	P	2.27	2.82	4.91	4.68	12.03	4.85	1.36	2.67	2.56	3.47	0.58	4.95	47.15
1979	Q	0.016	0.512	1.837	2.662	7.443	1.188	0.0	0.0	0.0	0.0	0.0	0.162	13.818
STA AV	P	2.16	2.14	2.96	4.05	4.50	3.35	2.86	2.23	4.07	4.45	2.55	2.56	37.88
	Q	0.556	0.798	1.147	1.469	1.604	0.684	0.246	0.005	0.300	0.714	0.452	0.585	8.560

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	1.981	3- 6	1.367	3- 6	1.997	3- 6	3.239	3- 6	3.379	3- 6	3.382	3- 5	3.382	2-27	3.382
1979	5-11	4.350	5-10	2.452	5-10	3.213	5-10	3.753	5-10	3.766	5-10	3.983	5-10	3.984	5- 4	3.984
MAXIMUMS FOR PERIOD OF RECORD																
	5-11	4.350	5-10	2.452	5-10	3.213	5-10	3.753	5-10	3.766	10-30	4.148	10-30	4.157	10-30	4.412
	1979		1979		1979		1979		1979		1974		1974		1974	

Watershed Conditions: 100% rangeland grasses with moderate infestation of honey mesquite, moderately grazed.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, USDA Misc. Pub. 1380, p. 42.035-4.
Precipitation: Records began September 1, 1970. Data obtained from rain gage 56-B.
Runoff: Records began September 1, 1970.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS WATERSHED SW-19

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.28	0.29	0.0	0.0	0.0
2	0.06	0.0	0.0	0.0	0.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	1.20	0.0	0.0	0.0	0.0	0.0	0.35
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0
5	0.0	0.0	0.0	0.08	0.0	0.0	0.0	1.08	0.0	0.10	1.03	0.0
6	0.0	0.11	5.08	0.0	0.0	4.39	0.0	0.0	0.0	0.0	0.03	0.01
7	0.0	0.19	0.0	0.0	0.0	0.61	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0
10	0.0	0.0	0.0	0.67	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0
11	1.16	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.34	0.0	0.0	0.30	0.0	0.0	0.0	0.24	0.0	0.0	0.0
13	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.17	0.0
16	1.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.0
17	0.0	0.54	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.56	0.0
20	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.10	0.0	0.0	0.02	0.0
21	0.08	0.0	0.0	0.0	0.49	0.0	0.0	0.11	0.0	0.0	0.27	0.0
22	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0
23	0.0	0.0	0.16	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.74	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.73	0.0
27	0.0	0.05	0.0	0.0	0.0	0.0	0.07	0.0	0.10	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
31	0.30		0.0		0.0		0.0	0.23		0.0		2.50
TOTAL	3.03	3.22	5.37	1.04	2.82	6.51	0.41	1.80	1.66	1.90	4.64	3.06
STA AV	2.15	2.06	2.72	3.97	3.56	3.16	3.05	2.18	4.24	4.56	2.76	2.30

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 56-B.
Station Averages: 9 yr beginning 1970 (part-year records included).

1979	DAILY PRECIPITATION (INCHES)						RIESEL (WACO), TEXAS WATERSHED SW-19					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	2.58	0.71	1.25	0.0	0.11	0.0	0.0	0.0	0.0
2	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.19	0.09	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.08	0.48	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0
6	0.09	0.46	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0
7	0.16	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.98	0.0	0.0	0.0	2.99	0.23	0.59	0.70	0.0	0.0	0.0	0.0
11	0.0	0.0	0.10	0.23	1.67	0.0	0.0	1.17	0.0	0.0	0.0	0.96
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.36	0.0	0.0	0.0	0.0	0.0	0.0	1.13	0.0	0.0
16	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.64	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0
18	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.33	0.0	0.06	0.0
19	0.07	0.0	0.82	0.88	0.0	0.0	0.0	0.0	1.23	0.0	0.0	0.0
20	0.23	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.35	0.0	0.95	0.0	0.0	0.0	0.0	0.0	0.26	0.62
22	0.0	0.0	0.56	0.0	1.39	0.0	0.0	0.59	0.0	0.69	0.0	0.48
23	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.27
24	0.0	0.59	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.26	0.0
25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.04	0.0	0.0	0.0	0.0	2.57	0.14	0.0	0.0	0.0	0.0	0.0
27	0.0	0.22	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.51	0.0	0.0	0.0	0.0	0.0	0.0	1.01
29	0.15		0.0	0.28	1.89	0.0	0.0	0.0	0.0	0.0	0.0	0.04
30	0.14		0.42	0.0	0.66	0.0	0.0	0.0	0.0	1.65	0.0	0.0
31	0.0		0.30		0.0		0.0	0.0		0.0		0.0
TOTAL	2.27	2.82	4.91	4.68	12.03	4.85	1.36	2.67	2.56	3.47	0.58	4.95
STA AV	2.16	2.14	2.96	4.05	4.50	3.35	2.86	2.23	4.07	4.45	2.55	2.56

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 56-B.
Station Averages: 10 yr beginning 1970 (part-year records included).

1978	MEAN DAILY DISCHARGE (CFS)						RIESEL (WACO), TEXAS WATERSHED SW-19					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.443	0.0	0.0	0.164	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.019	0.0	0.0	0.006	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0	0.0149	0.0	0.0	0.0057	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.0	0.0	3.382	0.0	0.0	1.254	0.0	0.0	0.0	0.0	0.0	0.0
STA AV	0.624	0.834	1.061	1.320	0.874	0.621	0.276	0.006	0.333	0.793	0.502	0.632

Station Averages: 9 yr beginning 1970 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 7.323585.

1979	MEAN DAILY DISCHARGE (CFS)					RIESEL (WACO), TEXAS WATERSHED SW-19						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.332	0.0 T	0.126	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0 T	0.0 T	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.021	0.0	0.0	0.0	0.034	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.042	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.002	0.0	0.0	0.0	0.046	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.0	0.0	0.498	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.043	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.056	0.030	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.006	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.061	0.0	0.132	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.007
24	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.041	0.0	0.0	0.0	0.0	0.0	0.0	0.013
29	0.0		0.0	0.0	0.237	0.0	0.0	0.0	0.0	0.0	0.0	0.002
30	0.0		0.0	0.0	0.060	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.003		0.001		0.0	0.0		0.0		0.0
MEAN	0.0001	0.0025	0.0081	0.0121	0.0328	0.0054	0.0	0.0	0.0	0.0	0.0	0.0007
INCHES	0.016	0.512	1.837	2.662	7.443	1.188	0.0	0.0	0.0	0.0	0.0	0.162
STA AV	0.556	0.798	1.147	1.469	1.604	0.684	0.246	0.005	0.300	0.714	0.452	0.585

Station Averages: 10 yr beginning 1970 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 7.323585.

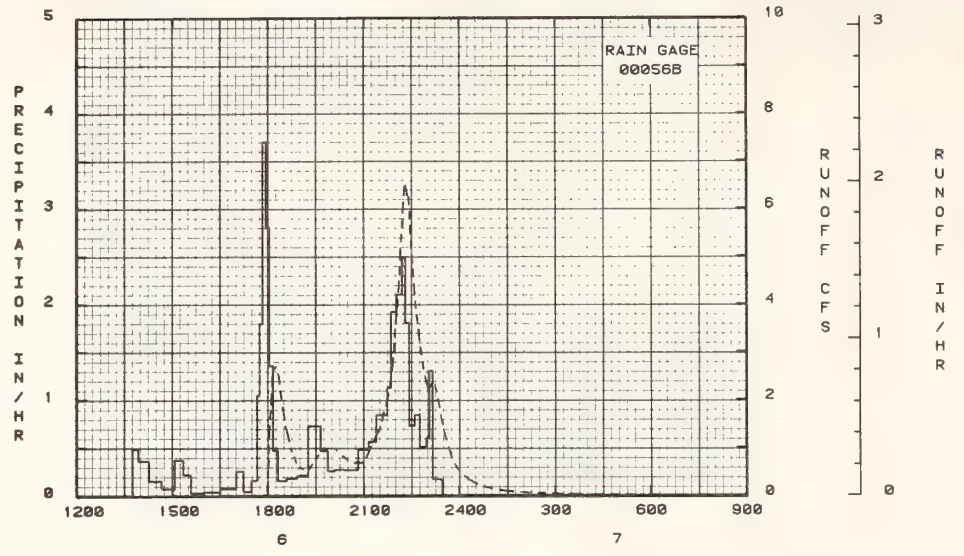
1978 SELECTED RUNOFF EVENT				RIESEL (WACO), TEXAS WATERSHED SW-19						
ANTECEDENT CONDITIONS				RAINFALL			RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MARCH 6 - 7, 1978						
RG 00056B				RG 00056B						
3- 6	0.0	0.0	3- 6	1344	0.0	0.0	3- 6	1753	0.0	0.0
				1355	0.4909	0.09		1755	0.019	0.0001
				1415	0.3600	0.21		1758	0.106	0.0010
				1439	0.1500	0.27		1759	0.242	0.0019
				1504	0.0720	0.30		1800	0.462	0.0037
WATERSHED CONDITIONS:										
100% rangeland grasses, 4 to				1520	0.3750	0.40		1801	0.741	0.0068
6 inches tall, with moderate				1534	0.2143	0.45		1802	1.309	0.0120
infestation of honey mesquite.				1559	0.0240	0.46		1805	1.763	0.0354
				1629	0.0400	0.48		1807	2.139	0.0553
				1700	0.0774	0.52		1809	2.496	0.0788
				1714	0.2571	0.58		1812	2.666	0.1182
				1729	0.0400	0.59		1815	2.698	0.1591
				1740	0.1636	0.62		1820	2.480	0.2250
				1744	1.0500	0.69		1824	2.135	0.2719
				1750	1.8000	0.87		1829	1.745	0.3212
				1756	3.7000	1.24		1834	1.400	0.3612
				1802	2.8000	1.52		1840	1.132	0.3999
				1810	1.3500	1.70		1843	0.981	0.4160
				1819	0.4667	1.77		1845	0.924	0.4257
				1835	0.1500	1.81		1849	0.804	0.4433
				1855	0.1800	1.87		1853	0.675	0.4583
				1915	0.2100	1.94		1900	0.589	0.4808
				1939	0.7250	2.23		1906	0.554	0.4982
				1952	0.4615	2.33		1917	0.560	0.5294
				2004	0.2500	2.38		1924	0.657	0.5511
				2024	0.2700	2.47		1930	0.758	0.5726
				2049	0.2640	2.58		1935	0.845	0.5930
				2109	0.4800	2.74		1943	0.937	0.6293
				2124	0.5600	2.88		1953	0.951	0.6783
				2134	0.8400	3.02		2005	0.988	0.7387

Conversion Factor: CFS to IN/HR, multiply by 0.305149.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED SW-19

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2144	0.8400	3.16	3- 6	2010	0.930	0.7631
				2152	1.1250	3.31		2022	0.801	0.8159
				2202	1.9200	3.63		2029	0.732	0.8432
				2212	2.1000	3.98		2042	0.675	0.8897
				2219	2.4857	4.27		2059	0.681	0.9483
				2226	1.8000	4.48		2105	0.789	0.9708
				2236	0.7200	4.60		2113	1.017	1.0075
				2246	0.8400	4.74		2124	1.246	1.0708
				2258	0.5000	4.84		2132	1.420	1.1250
				2304	0.6000	4.90		2138	1.745	1.1733
				2310	1.3000	5.03		2144	1.988	1.2303
				2328	0.1667	5.08		2150	2.322	1.2960
								2156	2.870	1.3753
								2201	3.645	1.4581
								2206	4.333	1.5595
								2210	5.161	1.6561
								2214	5.979	1.7694
								2217	6.455	1.8643
								2219	6.492	1.9301
								2222	6.269	2.0275
								2225	6.233	2.1229
								2228	5.610	2.2132
								2236	4.199	2.4128
								2244	3.378	2.5669
								2251	2.781	2.6765
								2257	2.393	2.7555
								2301	2.227	2.8024
								2306	2.257	2.8595
								2310	2.367	2.9065
								2315	2.302	2.9658
								2321	1.969	3.0310
								2329	1.483	3.1012
								2336	1.150	3.1481
								2341	0.972	3.1751
								2346	0.792	3.1975
								2354	0.601	3.2258
								2400	0.510	3.2428
							3- 7	15	0.345	3.2754
								34	0.230	3.3032
								49	0.165	3.3183
								119	0.101	3.3385
								142	0.072	3.3487
								214	0.046	3.3583
								300	0.029	3.3670
								338	0.019	3.3717
								418	0.013	3.3749

Conversion Factor: CFS to IN/HR, multiply by 0.305149.



EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED SW-19

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED SW-19

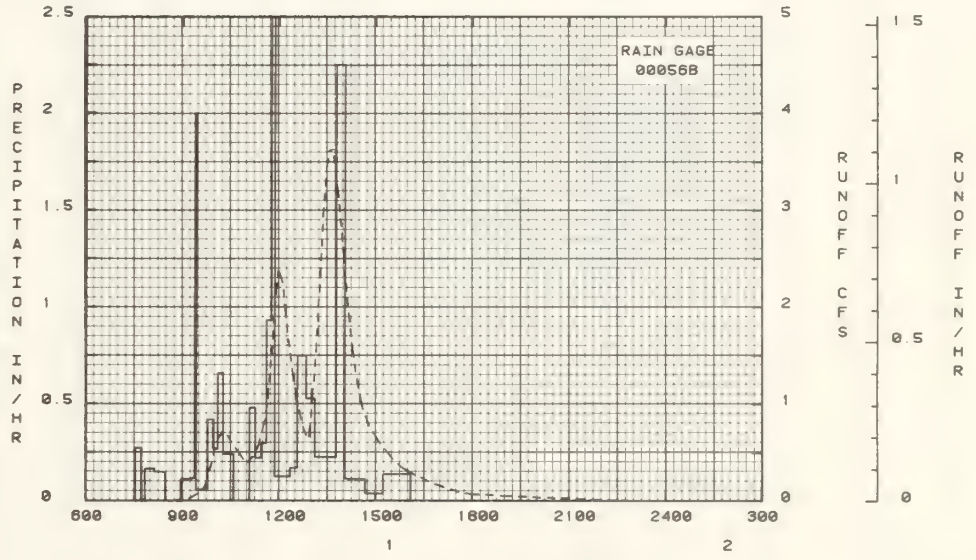
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
RG 00056B			RG 00056B							
4- 1	0.0	0.0	4- 1	207	0.0	0.0	4- 1	824	0.0	0.0
				732	0.0	0.0		836	0.001	0.0000
				743	0.2727	0.05		849	0.006	0.0003
				750	0.0	0.05		900	0.013	0.0008
				808	0.1667	0.10		914	0.029	0.0023
WATERSHED CONDITIONS:										
100% rangeland grasses, 4 to				828	0.1500	0.15		930	0.076	0.0066
6 inches tall, with moderate				857	0.0	0.15		942	0.150	0.0135
infestation of honey mesquite.				918	0.1143	0.19		948	0.242	0.0194
				923	0.1200	0.20		955	0.403	0.0309
				926	2.0000	0.30		1001	0.551	0.0455
				947	0.0571	0.32		1008	0.662	0.0671
				957	0.4200	0.39		1015	0.713	0.0915
				1006	0.2667	0.43		1024	0.667	0.1231
				1016	0.6600	0.54		1042	0.525	0.1777
				1036	0.2400	0.62		1054	0.425	0.2067
				1106	0.0	0.62		1102	0.402	0.2235
				1116	0.4800	0.70		1112	0.456	0.2453
				1127	0.2182	0.74		1122	0.571	0.2714
				1137	0.3000	0.79		1131	0.758	0.3019
				1146	0.9333	0.93		1135	0.836	0.3181
				1152	2.5000	1.18		1140	1.077	0.3424
				1221	0.1241	1.24		1149	1.681	0.4055
				1235	0.1714	1.28		1156	2.242	0.4753
				1251	0.7500	1.48		1159	2.377	0.5106
				1307	0.5250	1.62		1207	2.247	0.6046
				1347	0.2250	1.77		1213	1.892	0.6678
				1403	2.2500	2.37		1221	1.507	0.7369
				1441	0.1105	2.44		1228	1.235	0.7858
				1514	0.0364	2.46		1232	1.098	0.8095
				1606	0.1385	2.58		1235	0.978	0.8253

Conversion Factor: CFS to IN/HR, multiply by 0.305149.

1979 SELECTED RUNOFF EVENT — RIESEL (WACC), TEXAS WATERSHED SW-19

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
							4- 1	1238	0.927	0.8399
								1242	0.833	0.8578
								1247	0.730	0.8776
								1251	0.667	0.8918
								1256	0.657	0.9087
								1259	0.789	0.9197
								1304	1.160	0.9445
								1310	1.634	0.9871
								1317	2.327	1.0576
								1322	2.949	1.1247
								1329	3.463	1.2388
								1334	3.618	1.3289
								1340	3.625	1.4394
								1351	3.134	1.6284
								1401	2.460	1.7707
								1410	1.923	1.8710
								1419	1.483	1.9489
								1428	1.160	2.0094
								1436	0.943	2.0522
								1448	0.772	2.1045
								1509	0.589	2.1772
								1532	0.433	2.2370
								1550	0.341	2.2724
								1613	0.268	2.3080
								1639	0.196	2.3387
								1708	0.140	2.3635
								1736	0.091	2.3800
								1759	0.068	2.3893
								1900	0.047	2.4071
								2200	0.007	2.4318
								2400	0.002	2.4346

Conversion Factor: CFS to IN/HR, multiply by 0.305149.



EVENT OF APRIL 1, 1979

RIESEL (WACC), TEXAS WATERSHED SW-19

LOCATION: Falls County, Texas; 18 miles southeast of Waco; Brazos River Basin. Lat. 31 deg. 28 min. 33 sec. N.; Long. 96 deg. 53 min. 44 sec. W.

AREA: 3.21 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED SW-20

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	3.03	3.22	5.37	1.04	2.82	6.51	0.41	1.80	1.66	1.90	4.64	3.06	35.46
	Q	0.0	0.028	3.611	0.0	0.0	1.540	0.0	0.0	0.0	0.0	0.0	0.0	5.179
1979	P	2.27	2.82	4.91	4.68	12.03	4.85	1.36	2.67	2.56	3.47	0.58	4.95	47.15
	Q	0.066	0.564	1.982	3.044	7.229	1.146	0.0	0.0	0.0	0.0	0.0	0.216	14.247
STA AV	P	2.16	2.14	2.96	4.05	4.50	3.35	2.86	2.23	4.07	4.45	2.55	2.56	37.88
	Q	0.567	0.707	1.290	1.507	1.635	0.844	0.303	0.010	0.314	0.457	0.222	0.302	8.159

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	2.186	3- 6	1.458	3- 6	2.132	3- 6	3.494	3- 6	3.609	3- 6	3.611	3- 5	3.611	2-27	3.611
1979	5-10	5.286	5-10	1.883	5-10	2.896	5-10	3.567	5-10	3.578	5-10	3.780	5-10	3.780	5- 4	3.780
MAXIMUMS FOR PERIOD OF RECORD																
	5-10 1979	5.286	5-10 1979	1.883	5-10 1979	2.896	5-10 1979	3.567	3- 6 1978	3.609	10-30 1974	4.538	10-30 1974	4.546	10-30 1974	4.788

Watershed Conditions: 100% rangeland grasses with dead honey mesquite, moderately grazed.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1970, USDA Misc. Pub. 1380, p. 42.036-5.
Precipitation: Records began September 1, 1970. Data obtained from rain gage 56-B.
Runoff: Records began September 1, 1970.
Long-Term Precipitation: See National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS WATERSHED SW-20

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.28	0.29	0.0	0.0	0.0
2	0.06	0.0	0.0	0.0	0.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	1.20	0.0	0.0	0.0	0.0	0.0	0.35
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0
5	0.0	0.0	0.0	0.08	0.0	0.0	0.0	1.08	0.0	0.10	1.03	0.0
6	0.0	0.11	5.08	0.0	0.0	4.39	0.0	0.0	0.0	0.0	0.03	0.01
7	0.0	0.19	0.0	0.0	0.0	0.61	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0
10	0.0	0.0	0.0	0.67	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0
11	1.16	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.34	0.0	0.0	0.30	0.0	0.0	0.0	0.24	0.0	0.0	0.0
13	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.17	0.0
16	1.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.0
17	0.0	0.54	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.56	0.0
20	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.10	0.0	0.0	0.02	0.0
21	0.08	0.0	0.0	0.0	0.49	0.0	0.0	0.11	0.0	0.0	0.27	0.0
22	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0
23	0.0	0.0	0.16	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.74	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.73	0.0
27	0.0	0.05	0.0	0.0	0.0	0.0	0.07	0.0	0.10	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
31	0.30		0.0		0.0		0.0	0.23		0.0		2.50
TOTAL	3.03	3.22	5.37	1.04	2.82	6.51	0.41	1.80	1.66	1.90	4.64	3.06
STA AV	2.15	2.06	2.72	3.97	3.56	3.16	3.05	2.18	4.24	4.56	2.76	2.30

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 56-B.
Station Averages: 9 yr beginning 1970 (part-year records included).

1979	DAILY PRECIPITATION (INCHES)					RIESEL (WACC), TEXAS WATERSHED SW-20						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	2.58	0.71	1.25	0.0	0.11	0.0	0.0	0.0	0.0
2	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.19	0.09	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.08	0.48	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0
6	0.09	0.46	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0
7	0.16	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.98	0.0	0.0	0.0	2.99	0.23	0.59	0.70	0.0	0.0	0.0	0.0
11	0.0	0.0	0.10	0.23	1.67	0.0	0.0	1.17	0.0	0.0	0.0	0.96
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.36	0.0	0.0	0.0	0.0	0.0	0.0	1.13	0.0	0.0
16	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.64	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0
18	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.33	0.0	0.06	0.0
19	0.07	0.0	0.82	0.88	0.0	0.0	0.0	0.0	1.23	0.0	0.0	0.0
20	0.23	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.35	0.0	0.95	0.0	0.0	0.0	0.0	0.0	0.26	0.62
22	0.0	0.0	0.56	0.0	1.39	0.0	0.0	0.59	0.0	0.69	0.0	0.48
23	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.27
24	0.0	0.59	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.26	0.0
25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.04	0.0	0.0	0.0	0.0	2.57	0.14	0.0	0.0	0.0	0.0	0.0
27	0.0	0.22	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.51	0.0	0.0	0.0	0.0	0.0	0.0	1.01
29	0.15		0.0	0.28	1.89	0.0	0.0	0.0	0.0	0.0	0.0	0.04
30	0.14		0.42	0.0	0.66	0.0	0.0	0.0	0.0	1.65	0.0	0.0
31	0.0		0.30		0.0		0.0	0.0		0.0		0.0
TOTAL	2.27	2.82	4.91	4.68	12.03	4.85	1.36	2.67	2.56	3.47	0.58	4.95
STA AV	2.16	2.14	2.96	4.05	4.50	3.35	2.86	2.23	4.07	4.45	2.55	2.56

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 56-B.
Station Averages: 10 yr beginning 1970 (part-year records included).

1978	MEAN DAILY DISCHARGE (CFS)					RIESEL (WACC), TEXAS WATERSHED SW-20						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.473	0.0	0.0	0.202	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.014	0.0	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0001	0.0157	0.0	0.0	0.0069	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.0	0.028	3.611	0.0	0.0	1.540	0.0	0.0	0.0	0.0	0.0	0.0
STA AV	0.630	0.725	1.203	1.315	0.936	0.807	0.340	0.011	0.349	0.508	0.296	0.312

Station Averages: 9 yr beginning 1970 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 7.414845.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED SW-20

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.364	0.001	0.115	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0 T	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.022	0.0	0.0	0.0	0.036	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.042	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.009	0.0	0.0	0.0	0.189	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0 T	0.0	0.0	0.0	0.320	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.049	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.046	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.068	0.046	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.002	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.059	0.0	0.121	0.0	0.0	0.0	0.0	0.0	0.0	0.001
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.013
24	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.012
29	0.0		0.0	0.0	0.232	0.0	0.0	0.0	0.0	0.0	0.0	0.003
30	0.0		0.0	0.0	0.061	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.009		0.0 T		0.0	0.0		0.0		0.0
MEAN	0.0003	0.0027	0.0086	0.0137	0.0315	0.0052	0.0	0.0	0.0	0.0	0.0	0.0009
INCHES	0.066	0.564	1.982	3.044	7.229	1.146	0.0	0.0	0.0	0.0	0.0	0.216
STA AV	0.567	0.707	1.290	1.507	1.635	0.844	0.303	0.010	0.314	0.457	0.222	0.302

Station Averages: 10 yr beginning 1970 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 7.414845.

1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS WATERSHED SW-20

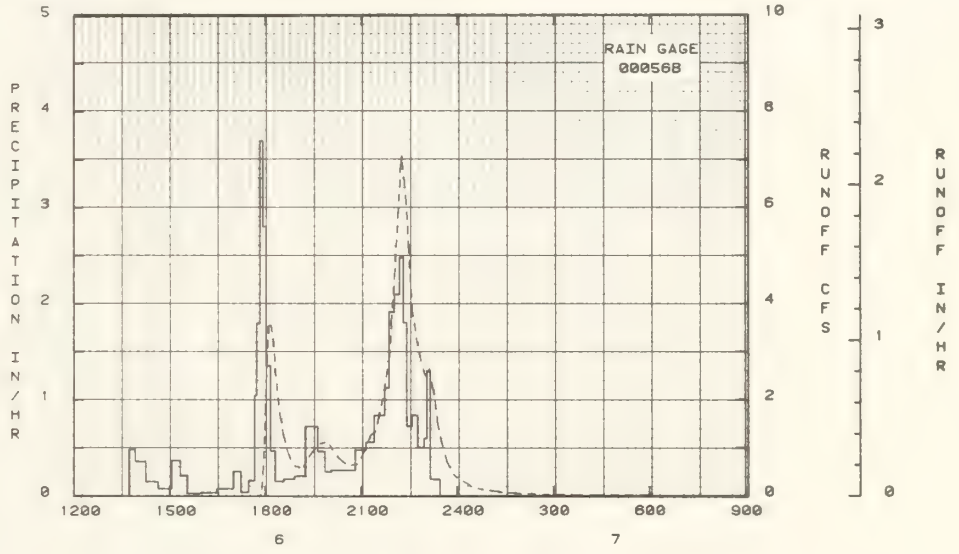
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF MARCH 6 - 7, 1978										
RG 00056B				RG 00056B						
3- 6	0.0	0.0	3- 6	1344	0.0	0.0	3- 6	1750	0.0	0.0
				1355	0.4909	0.09		1752	0.038	0.0002
				1415	0.3600	0.21		1754	0.148	0.0012
				1439	0.1500	0.27		1757	0.636	0.0072
				1504	0.0720	0.30		1801	1.923	0.0336
WATERSHED CONDITIONS: 100% rangeland grasses, 4 to 6 inches tall, with dead honey mesquite.				1520	0.3750	0.40		1804	2.949	0.0712
				1534	0.2143	0.45		1807	3.557	0.1214
				1559	0.0240	0.46		1811	3.571	0.1949
				1629	0.0400	0.48		1815	3.248	0.2651
				1700	0.0774	0.52		1820	2.491	0.3390
				1714	0.2571	0.58		1828	1.664	0.4245
				1729	0.0400	0.59		1834	1.313	0.4705
				1740	0.1636	0.62		1838	1.115	0.4955
				1744	1.0500	0.65		1841	0.972	0.5116
				1750	1.8000	0.87		1848	0.760	0.5429
				1756	3.7000	1.24		1856	0.618	0.5712
				1802	2.8000	1.52		1905	0.594	0.5993
				1810	1.3500	1.70		1912	0.634	0.6214
				1819	0.4667	1.77		1918	0.741	0.6427
				1835	0.1500	1.81		1922	0.833	0.6589
				1855	0.1800	1.87		1933	0.988	0.7105
				1915	0.2100	1.94		1944	1.101	0.7696
				1939	0.7250	2.23		1952	1.118	0.8153
				1952	0.4615	2.33		2001	1.060	0.8658
				2004	0.2500	2.38		2007	0.946	0.8968
				2024	0.2700	2.47		2016	0.812	0.9375
				2049	0.2640	2.58		2030	0.670	0.9909
				2109	0.4800	2.74		2041	0.644	1.0282
				2124	0.5600	2.88		2053	0.667	1.0687
				2134	0.8400	3.02		2100	0.798	1.0951

Conversion Factor: CFS to IN/HR, multiply by 0.308952.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED SW-20

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	MARCH	6 - 7, 1978	(CONTINUED)				
3- 6				2144	0.8400	3.16	3- 6	2108	0.975	1.1316
				2152	1.1250	3.31		2117	1.264	1.1835
				2202	1.9200	3.63		2127	1.350	1.2508
				2212	2.1000	3.98		2135	1.737	1.3143
				2219	2.4857	4.27		2143	2.188	1.3952
				2226	1.8000	4.48		2153	2.887	1.5256
				2236	0.7200	4.60		2158	3.769	1.6115
				2246	0.8400	4.74		2204	4.734	1.7429
				2258	0.5000	4.84		2210	5.988	1.9085
				2304	0.6000	4.90		2214	6.882	2.0410
				2310	1.3000	5.03		2216	7.077	2.1129
				2328	0.1667	5.08		2221	6.549	2.2863
								2225	6.051	2.4161
								2230	5.038	2.5608
								2236	3.882	2.6986
								2244	3.274	2.8460
								2250	2.943	2.9421
								2259	2.527	3.0668
								2302	2.475	3.1074
								2308	2.650	3.1866
								2317	2.101	3.2967
								2324	1.519	3.3619
								2331	1.115	3.4054
								2334	0.988	3.4256
								2341	0.713	3.4563
								2354	0.442	3.4950
								2400	0.372	3.5075
							3- 7	27	0.190	3.5466
								39	0.155	3.5573
								48	0.132	3.5639
								124	0.070	3.5826
								159	0.037	3.5923
								240	0.022	3.5985
								341	0.012	3.6038
								434	0.008	3.6066
								529	0.006	3.6085
								600	0.005	3.6094

Conversion Factor: CFS to IN/HR, multiply by 0.306952.



EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED SW-20

1979 SELECTED RUNOFF EVENT — RIESEL (WACC), TEXAS WATERSHED SW-20

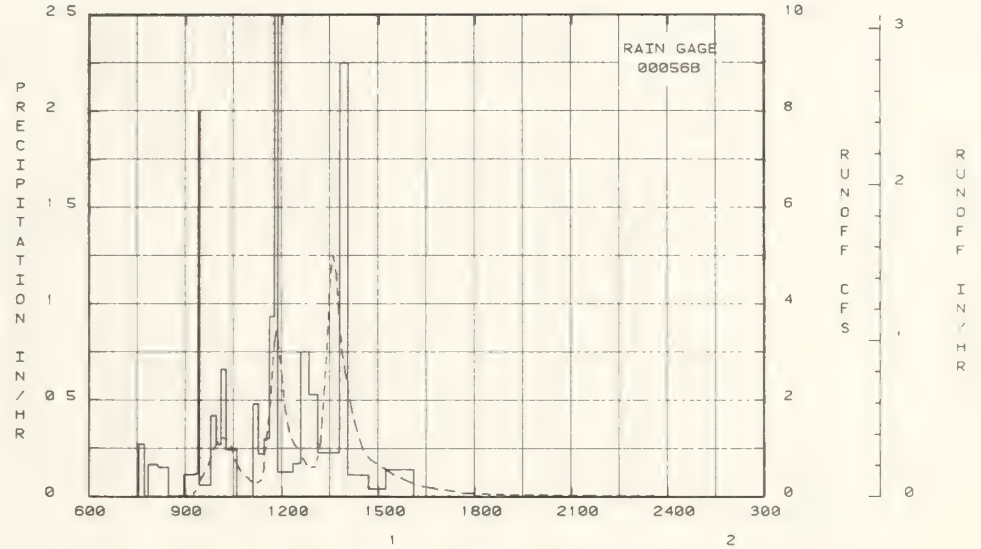
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
RG 00056B			RG 00056B							
4- 1	0.0	0.001	4- 1	207	0.0	0.0	4- 1	357	0.0	0.0
				732	0.0	0.0		759	0.0	0.0
				743	0.2727	0.05		813	0.003	0.0001
				750	0.0	0.05		825	0.013	0.0006
				808	0.1667	0.10		834	0.022	0.0014
WATERSHED CONDITIONS:										
100% rangeland grasses, 4 to				828	0.1500	0.15		849	0.021	0.0031
6 inches tall, with dead				857	0.0	0.15		902	0.031	0.0048
honey mesquite.				918	0.1143	0.19		915	0.058	0.0078
				923	0.1200	0.20		919	0.134	0.0098
				926	2.0000	0.30		927	0.329	0.0193
				947	0.0571	0.32		936	0.506	0.0387
				957	0.4200	0.39		944	0.702	0.0635
				1006	0.2667	0.43		948	0.830	0.0793
				1016	0.6600	0.54		953	0.991	0.1028
				1036	0.2400	0.62		1001	1.139	0.1466
				1106	0.0	0.62		1010	1.224	0.2014
				1116	0.4800	0.70		1017	1.174	0.2446
				1127	0.2182	0.74		1025	1.037	0.2901
				1137	0.3000	0.79		1033	0.730	0.3265
				1146	0.9333	0.93		1043	0.521	0.3587
				1152	2.5000	1.18		1057	0.374	0.3910
				1221	0.1241	1.24		1104	0.299	0.4031
				1235	0.1714	1.28		1114	0.276	0.4179
				1251	0.7500	1.42		1123	0.348	0.4324
				1307	0.5250	1.62		1126	0.529	0.4392
				1347	0.2250	1.77		1127	0.719	0.4424
				1403	2.2500	2.37		1133	1.350	0.4743
				1441	0.1105	2.44		1139	1.993	0.5260
				1514	0.0364	2.46		1143	2.748	0.5748
				1606	0.1385	2.58		1146	3.159	0.6204
								1150	3.443	0.6884
								1153	3.203	0.7357
								1200	2.496	0.8424
								1206	1.829	0.9092
								1214	1.320	0.9741
								1224	1.064	1.0355
								1230	0.991	1.0672
								1235	0.988	1.0927
								1236	0.937	1.0977
								1239	0.786	1.1109
								1247	0.647	1.1403
								1255	0.598	1.1660
								1302	0.616	1.1878
								1305	0.746	1.1994
								1308	0.842	1.2106
								1312	1.118	1.2308
								1316	1.651	1.2583
								1320	2.302	1.3000
								1323	2.903	1.3402
								1326	3.530	1.3899
								1328	4.199	1.4297
								1331	4.663	1.4982
								1335	5.006	1.5978
								1341	4.624	1.7465
								1345	3.938	1.8347
								1352	3.000	1.9597
								1400	2.439	2.0717
								1409	1.856	2.1713
								1417	1.483	2.2400
								1426	1.139	2.3008
								1432	0.953	2.3331
								1444	0.758	2.3860
								1509	0.578	2.4720
								1529	0.436	2.5242
								1549	0.343	2.5643
								1608	0.243	2.5930
								1630	0.190	2.6175
								1651	0.139	2.6352
								1709	0.115	2.6469
								1740	0.064	2.6612

Conversion Factor: CFS to IN/HR, multiply by 0.308952.

1979 SELECTED RUNOFF EVENT RISSEL (WACO), TEXAS WATERSHED SW-20

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
							4- 1	1800	0.046	2.6588
								1954	0.031	2.6776
								2132	0.010	2.6943
								2400	0.003	2.6992

Conversion Factor: CFS to IN/HR, multiply by 0.308952.



EVENT OF APRIL 1, 1979

RISSEL (WACO), TEXAS WATERSHED SW-20

LOCATION: Falls County, Texas; 18 miles southeast of Waco; Brazos River Basin. Lat. 31 deg. 28 min. 36 sec. N.; Long. 96 deg. 52 min. 39 sec. W.

AREA: 11.30 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) RIESEL (WACO), TEXAS WATERSHED Y-13

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.96	3.08	5.17	1.01	3.13	5.29	0.22	1.59	2.17	1.82	4.74	2.77	33.95
1978	Q	0.0	0.022	3.120	0.0	0.017	1.299	0.0	0.0	0.0	0.0	0.0	0.030	4.487
	P	2.09	2.57	4.60	5.56	12.34	5.31	1.31	3.33	2.68	3.60	0.84	5.17	49.40
1979	Q	0.028	0.030	1.119	2.843	2.858	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.879
STA AV	P	1.86	2.39	3.09	4.03	4.18	2.93	2.42	2.19	3.64	4.41	2.47	2.69	36.30
	Q	0.081	0.419	0.890	1.001	0.707	0.510	0.052	0.011	0.230	0.353	0.119	0.058	4.431

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	2.067	3- 6	1.377	3- 6	2.026	3- 6	2.667	3- 6	3.003	3- 6	3.117	3- 5	3.120	2-27	3.120
1979	5-10	2.321	5-10	1.488	5-10	2.318	5-10	2.830	5-10	2.830	5-10	2.830	5- 9	2.830	5- 3	2.830
MAXIMUMS FOR PERIOD OF RECORD																
	6- 3	3.936	6- 3	2.319	6- 3	2.558	5-10	2.830	3- 6	3.003	3- 6	3.117	6- 1	3.212	5-25	3.974
	1973		1973		1973		1979		1978		1978		1973		1973	

Watershed Conditions: 96% sorghum; 4% grassed waterway. Cropland planted on graded furrows.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1969, USDA Misc. Pub. 1370, p. 42.037-5.
Precipitation: Records began Jan. 1, 1969. Data from rain gage 70-A.
Runoff: Records began Jan. 1, 1969.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS WATERSHED Y-13

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.41	0.93	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	0.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.89	0.0	0.0	0.0	0.0	0.0	0.23
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0
5	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.83	0.0	0.07	0.96	0.0
6	0.0	0.09	4.96	0.0	0.0	3.64	0.0	0.0	0.0	0.0	0.03	0.02
7	0.0	0.17	0.0	0.0	0.0	0.53	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.36	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0
10	0.0	0.0	0.0	0.74	0.0	0.0	0.0	0.0	0.31	0.0	0.0	0.0
11	1.11	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.32	0.0	0.0	0.36	0.0	0.0	0.0	0.25	0.0	0.0	0.0
13	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0
16	1.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0
17	0.0	0.53	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.24	0.0
20	0.0	0.0	0.0	0.0	1.01	0.0	0.0	0.0	0.0	0.0	0.03	0.0
21	0.06	0.0	0.0	0.0	0.64	0.0	0.0	0.06	0.0	0.0	0.43	0.0
22	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0
23	0.0	0.0	0.09	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.75	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	0.0
27	0.0	0.05	0.0	0.0	0.0	0.0	0.19	0.0	0.10	0.0	0.04	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12
31	0.37		0.0		0.0		0.0	0.29		0.0		2.20
TOTAL	2.96	3.08	5.17	1.01	3.13	5.29	0.22	1.59	2.17	1.82	4.74	2.77
STA AV	1.84	2.37	2.94	3.87	3.36	2.69	2.53	2.08	3.74	4.49	2.63	2.45

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 70-A.
Station Averages: 10 yr beginning 1969.

1979 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS WATERSHED Y-13

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.45	0.83	0.70	0.0	0.21	0.0	0.0	0.0	0.0
2	0.0	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.19	0.09	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.08	0.53	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.0	0.0	0.0
6	0.07	0.36	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0
7	0.15	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.84	0.0	0.0	0.0	2.41	0.38	0.63	0.53	0.0	0.0	0.0	0.0
11	0.0	0.0	0.12	0.14	2.41	0.0	0.0	1.72	0.0	0.0	0.0	0.94
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.42	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.0	0.0
16	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.68	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0
18	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.21	0.0	0.24	0.0
19	0.13	0.0	0.77	0.97	0.0	0.0	0.0	0.0	1.35	0.0	0.0	0.0
20	0.25	0.0	0.04	0.0	0.0	0.0	0.12	0.0	0.12	0.0	0.0	0.0
21	0.0	0.0	0.38	0.0	0.86	0.0	0.0	0.0	0.0	0.0	0.41	0.66
22	0.0	0.0	0.53	0.0	1.25	0.0	0.0	0.77	0.0	0.86	0.0	0.63
23	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.24
24	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.19	0.0
25	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.02	0.0	0.0	0.0	0.0	3.28	0.12	0.0	0.0	0.0	0.0	0.0
27	0.0	0.21	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.49	0.0	0.0	0.0	0.0	0.0	0.0	1.06
29	0.14		0.0	0.32	2.02	0.0	0.0	0.0	0.0	0.0	0.0	0.06
30	0.14		0.31	0.0	0.90	0.0	0.0	0.0	0.0	1.80	0.0	0.0
31	0.0		0.19		0.0		0.0	0.0		0.0		0.0
TOTAL	2.09	2.57	4.60	5.56	12.34	5.31	1.31	3.33	2.68	3.60	0.84	5.17
STA AV	1.85	2.39	3.09	4.03	4.18	2.93	2.42	2.19	3.64	4.41	2.47	2.69

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 70-A.
Station Averages: 11 yr beginning 1969.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED Y-13

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	1.274	0.0	0.0	0.436	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.208	0.0	0.0	0.153	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.027	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.014
MEAN	0.0	0.0004	0.0478	0.0	0.0003	0.0206	0.0	0.0	0.0	0.0	0.0	0.0005
INCHES	0.0	0.022	3.120	0.0	0.017	1.299	0.0	0.0	0.0	0.0	0.0	0.030
STA AV	0.086	0.459	0.867	0.817	0.492	0.561	0.057	0.012	0.253	0.389	0.131	0.063

Conversion Factor: CFS to IN/DAY, multiply by 2.106341.
Station Averages: 10 yr beginning 1969.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED Y-13

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0 T	0.0	0.0	1.311	0.013	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0 T	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0 T	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0 T	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.011	0.0	0.0	0.0	0.405	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.001	0.0	0.0	0.0	0.939	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.199	0.036	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.168	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0004	0.0005	0.0171	0.0459	0.0438	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.026	0.030	1.119	2.843	2.858	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STA AV	0.081	0.419	0.890	1.001	0.707	0.510	0.052	0.011	0.230	0.353	0.119	0.058

Conversion Factor: CFS to IN/DAY, multiply by 2.106341.
Station Averages: 11 yr beginning 1969.

1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS WATERSHED Y-13

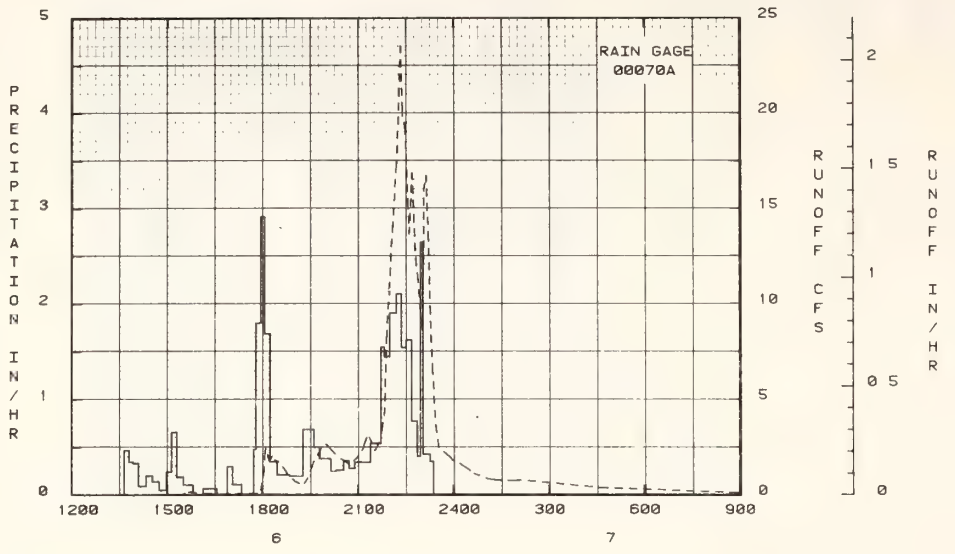
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978							
RG 00070A			RG 00070A							
3- 6	0.0	0.0	3- 6	1339	0.0	0.0	3- 6	1528	0.0	0.0
				1348	0.4667	0.07		1533	0.091	0.0003
				1355	0.3429	0.11		1541	0.150	0.0017
				1406	0.3273	0.17		1554	0.100	0.0041
				1420	0.0857	0.19		1614	0.050	0.0063
WATERSHED CONDITIONS:										
96% sorghum; 4% Bermuda-				1432	0.2000	0.23		1642	0.037	0.0081
grass waterway, good cover.				1445	0.1385	0.26		1657	0.032	0.0088
				1458	0.0462	0.27		1709	0.052	0.0096
				1508	0.2400	0.31		1721	0.086	0.0108
				1518	0.6600	0.42		1735	0.075	0.0124
				1531	0.1846	0.46		1750	0.064	0.0140
				1549	0.1000	0.49		1757	0.261	0.0156
				1608	0.0	0.49		1802	1.103	0.0206
				1634	0.0692	0.52		1806	2.435	0.0310
				1654	0.0	0.52		1813	1.773	0.0525
				1704	0.3000	0.57		1818	2.008	0.0663
				1721	0.1059	0.60		1823	1.823	0.0803
				1743	0.0	0.60		1830	1.715	0.0985
				1748	0.4800	0.64		1839	1.423	0.1191
				1757	1.8000	0.91		1847	1.111	0.1339
				1804	2.9143	1.25		1900	0.712	0.1513
				1814	1.6800	1.53		1909	0.564	0.1598
				1828	0.3429	1.61		1919	0.599	0.1665
				1851	0.2087	1.69		1925	0.882	0.1750
				1916	0.1920	1.77		1932	1.364	0.1865
				1937	0.6857	2.01		1937	1.763	0.1979
				1948	0.4909	2.10		1946	2.182	0.2239
				2009	0.3714	2.23		1952	2.519	0.2445
				2019	0.2400	2.27		2000	2.629	0.2746
				2033	0.2571	2.33		2017	2.115	0.3336

Conversion Factor: CFS to IN/HR, multiply by 0.087764.

1978 SELECTED RUNOFF EVENT RISSEL (WACC), TEXAS WATERSHED Y-13

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	MARCH	6 - 7, 1978	(CONTINUED)				
			3- 6	2043	0.3600	2.39	3- 6	2029	1.833	0.3682
				2054	0.2727	2.44		2041	1.639	0.3987
				2108	0.3429	2.52		2052	1.793	0.4263
				2124	0.3375	2.61		2100	2.008	0.4486
				2134	0.5400	2.70		2109	2.376	0.4774
				2143	0.5333	2.78		2116	2.979	0.5048
				2150	1.5429	2.96		2121	3.019	0.5268
				2200	1.4400	3.20		2132	2.295	0.5695
				2212	1.9000	3.58		2140	2.743	0.5990
				2222	2.1000	3.93		2145	3.398	0.6215
				2231	1.5333	4.16		2150	4.173	0.6491
				2241	1.6200	4.43		2154	8.222	0.6854
				2252	0.7636	4.57		2159	10.727	0.7547
				2258	0.4000	4.61		2206	14.283	0.8827
				2303	2.6400	4.83		2213	17.545	1.0457
				2316	0.4154	4.92		2218	21.328	1.1878
				2323	0.3429	4.96		2220	23.547	1.2535
								2224	19.833	1.3804
								2229	19.244	1.5233
								2234	15.311	1.6496
								2237	13.622	1.7131
								2242	16.875	1.8246
								2246	14.246	1.9157
								2249	12.324	1.9740
								2254	11.074	2.0595
								2301	9.680	2.1607
								2304	12.529	2.2072
								2305	15.941	2.2280
								2309	16.751	2.3237
								2313	13.622	2.4125
								2317	9.438	2.4900
								2321	6.637	2.5270
								2327	3.609	2.5720
								2333	2.483	2.5987
								2346	2.137	2.6426
								2400	1.763	2.6826
							3- 7	15	1.574	2.7192
								32	1.225	2.7540
								39	1.089	2.7658
								49	0.982	2.7810
								105	0.825	2.8021
								129	0.730	2.8294
								207	0.747	2.8705
								438	0.356	2.9923
								953	0.093	3.0957
								1355	0.021	3.1159
								1745	0.002	3.1198

Conversion Factor: CFS to IN/HR, multiply by 0.087764.



EVENT OF MARCH 6 - 7, 1978

BIRSEL (WACO), TEXAS WATERSHED Y-13

1979 SELECTED RUNOFF EVENT BIRSEL (WACO), TEXAS WATERSHED Y-13

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF APRIL 1, 1979						
RG 00070A				RG 00070A						
4- 1	0.0	0.0	4- 1	121	0.0	0.0	4- 1	943	0.0	0.0
				156	0.0	0.0		945	0.016	0.0000
				727	0.0018	0.01		949	0.013	0.0002
				736	0.0	0.01		955	0.119	0.0010
				756	0.0300	0.02		959	0.224	0.0020
WATERSHED CONDITIONS:										
96% sorghum; 4% Bermuda-				851	0.0109	0.03		1002	0.695	0.0046
grass waterway, good cover.				911	0.1800	0.09		1004	1.202	0.0068
				917	0.4000	0.13		1006	1.629	0.0109
				926	0.0	0.13		1007	1.764	0.0124
				941	0.2800	0.20		1012	1.202	0.0242
				944	0.8000	0.24		1016	0.844	0.0302
				957	0.4615	0.34		1019	0.690	0.0336
				1004	0.8571	0.44		1021	0.735	0.0357
				1008	1.5000	0.54		1025	1.389	0.0419
				1021	0.2308	0.59		1027	2.040	0.0469
				1026	0.6000	0.64		1029	2.471	0.0538
				1031	1.0800	0.73		1031	2.519	0.0608
				1055	0.1250	0.78		1039	1.423	0.0862
				1111	0.3375	0.87		1044	1.171	0.0971
				1125	0.2143	0.92		1048	0.857	0.1031
				1130	0.9600	1.00		1052	0.735	0.1077
				1139	1.0667	1.16		1056	0.813	0.1125
				1147	1.7250	1.39		1101	1.060	0.1191
				1204	0.0353	1.40		1105	1.038	0.1267
				1226	0.2182	1.48		1109	1.967	0.1444
				1236	1.2000	1.68		1111	2.423	0.1441
				1246	0.6000	1.78		1117	2.253	0.1648
				1256	1.3200	2.00		1122	1.914	0.1801
				1309	1.0154	2.22		1124	2.115	0.1860
				1325	0.3375	2.31		1126	3.487	0.1941

Conversion Factor: CFS to IN/HR, multiply by 0.087764.

1979 SELECTED RUNOFF EVENT — BIESEL (WACC), TEXAS WATERSHED Y-13

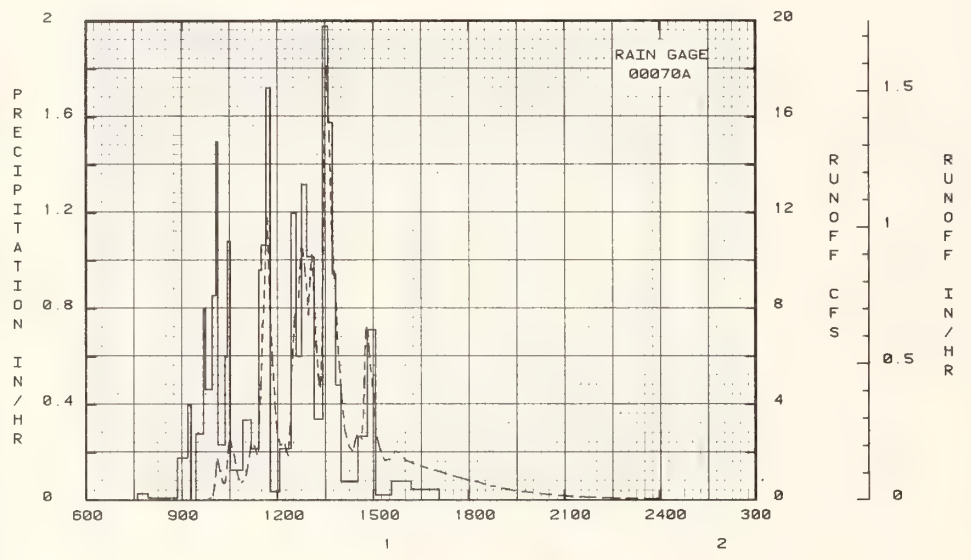
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
			4- 1	1335	1.9800	2.64	4- 1	1129	4.846	0.2123
				1343	1.5750	2.85		1134	7.857	0.2987
				1350	0.9429	2.96		1138	10.387	0.3121
				1400	0.4800	3.04		1141	11.520	0.3608
				1431	0.0774	3.08		1144	9.640	0.4079
				1449	0.2667	3.16		1148	7.066	0.4568
				1505	0.7125	3.35		1151	5.900	0.4853
				1534	0.0207	3.36		1156	3.961	0.5212
				1611	0.0811	3.41		1200	2.820	0.5408
				1705	0.0444	3.45		1205	2.295	0.5595
								1209	2.364	0.5731
								1214	2.329	0.5903
								1220	1.853	0.6087
								1225	3.269	0.6274
								1226	4.770	0.6333
								1229	6.340	0.6576
								1234	7.806	0.7054
								1236	8.625	0.7334
								1240	8.463	0.7834
								1244	10.085	0.8377
								1246	10.790	0.8682
								1252	9.640	0.9578
								1257	8.436	1.0239
								1258	7.730	1.0358
								1302	9.323	1.0856
								1305	10.266	1.1286
								1310	8.143	1.1959
								1313	6.453	1.2280
								1318	5.068	1.2702
								1319	4.770	1.2774
								1321	4.733	1.2913
								1322	5.176	1.2986
								1325	7.280	1.3259
								1327	12.121	1.3543
								1330	16.262	1.4166
								1333	18.143	1.4921
								1338	14.925	1.6130
								1343	10.758	1.7069
								1350	8.517	1.8056
								1354	6.385	1.8492
								1357	5.624	1.8755
								1401	4.331	1.9046
								1407	2.859	1.9364
								1415	2.226	1.9664
								1421	2.050	1.9851
								1424	2.226	1.9945
								1429	2.717	2.0126
								1437	2.642	2.0439
								1439	2.531	2.0515
								1442	3.786	2.0654
								1443	4.884	2.0717
								1445	6.162	2.0879
								1448	7.207	2.1172
								1450	7.134	2.1382
								1453	6.250	2.1676
								1455	5.645	2.1850
								1501	4.420	2.2291
								1507	2.605	2.2600
								1514	2.072	2.2839
								1522	1.667	2.3058
								1533	1.734	2.3331
								1541	2.061	2.3553
								1549	1.987	2.3790
								1601	1.677	2.4112
								1617	1.520	2.4486
								1643	1.322	2.5026
								1658	1.233	2.5306
								1719	1.103	2.5665
								1737	0.968	2.5938
								1759	0.844	2.6229
								1816	0.759	2.6429
								1832	0.657	2.6594
								1841	0.594	2.6677
								1850	0.564	2.6753
								1905	0.484	2.6868

Conversion Factor: CFS to IN/HR, multiply by 0.087764.

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED Y-13

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
							4- 1	1927	0.395	2.7009
								1947	0.341	2.7117
								2015	0.261	2.7240
								2036	0.216	2.7314
								2058	0.181	2.7378
								2116	0.148	2.7421
								2136	0.130	2.7462
								2159	0.102	2.7500
								2222	0.090	2.7533
								2244	0.067	2.7558
								2305	0.063	2.7578
								2335	0.039	2.7600
								2400	0.037	2.7614

Conversion Factor: CFS to IN/HR, multiply by 0.087764.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS WATERSHED Y-13

LOCATION: Falls County, Texas; 18 miles southeast of Waco; Brazos River Basin. Lat. 31 deg. 28 min. 11 sec. N.; Long. 96 deg. 52 min. 55 sec. W.

AREA: 5.90 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED Y-14

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	3.01	3.50	5.74	1.36	2.85	6.80	0.33	1.47	2.41	1.93	5.35	2.73	37.48
	Q	0.0	0.370	4.037	0.0	0.0	0.841	0.0	0.0	0.0	0.0	0.0	0.114	5.122
1979	P	2.38	3.06	5.37	6.18	13.13	4.99	1.38	3.44	2.93	3.48	0.95	5.52	52.81
	Q	0.155	1.306	2.282	3.146	6.381	0.965	0.154	0.304	0.1	0.0	0.0	1.725	16.116
STA AV	P	2.05	2.64	5.32	3.72	3.86	3.21	2.11	2.64	3.52	4.38	2.65	2.64	36.74
	Q	0.124	0.508	1.084	0.831	1.200	0.598	0.320	0.099	0.349	0.943	0.306	0.566	6.926

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	1.704	3- 6	1.498	3- 6	2.805	3- 6	3.761	3- 6	4.067	3- 6	4.097	3- 6	4.097	2-27	4.097
1979	5-11	1.128	5-11	0.945	5-11	1.530	4- 1	2.865	4- 1	3.105	4- 1	3.140	4- 1	3.146	5-28	3.974
MAXIMUMS FOR PERIOD OF RECORD																
	11-17	2.886	6- 3	1.503	3- 6	2.805	3- 6	3.761	3- 6	4.067	3- 6	4.097	3- 6	4.097	5-28	4.524
	1971		1973		1978		1978		1978		1978		1978		1973	

Watershed Conditions: 100% pasture.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1969, USDA Misc. Pub. 1170, p. 42.033-6.
Precipitation: Records began Jan. 1, 1969. Data from raingage 75-A.
Runoff: Records began Jan. 1, 1969. Station not in operation during 1976.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS WATERSHED Y-14

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.49	1.28	0.0	0.0	0.0
2	0.06	0.0	0.0	0.0	0.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.20
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
5	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.70	0.30	0.10	1.14	0.0
6	0.0	0.09	5.44	0.0	0.0	4.75	0.0	0.0	0.0	0.0	0.0	0.02
7	0.0	0.17	0.0	0.0	0.0	0.87	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0
10	0.0	0.0	0.0	0.92	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0
11	1.07	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.51	0.0	0.0	0.29	0.0	0.0	0.0	0.16	0.0	0.0	0.0
13	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
16	1.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.03	0.0
17	0.1	0.79	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.42	0.0
20	0.0	0.0	0.0	0.0	0.86	0.0	0.0	0.0	0.0	0.0	0.05	0.0
21	0.05	0.0	0.0	0.0	0.58	0.0	0.0	0.07	0.0	0.0	0.46	0.0
22	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0
23	0.0	0.0	0.15	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.83	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.09	0.0
27	0.0	0.08	0.0	0.0	0.0	0.0	0.21	0.0	0.11	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.13
31	0.31		0.0		0.0		0.0	0.21		0.0		2.38
TOTAL	3.01	3.50	5.74	1.36	2.85	6.80	0.33	1.47	2.41	1.93	5.35	2.73
STA AV	2.01	2.59	3.09	3.45	2.83	3.01	2.19	2.55	3.58	4.48	2.83	3.42

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Thiessen weighted average of rain gages 75-A and 83.
Station Averages: 9 yr beginning 1969. Station not in operation during 1976.

1979	DAILY PRECIPITATION (INCHES)					RIESEL (WACC), TEXAS	WATERSHED Y-14					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.97	0.84	0.77	0.0	0.31	0.0	0.0	0.0	0.0
2	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.23	0.22	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.78	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0
5	0.13	0.40	0.0	0.0	0.0	1.05	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.62	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0
7	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.97	0.0	0.0	0.0	2.31	0.27	0.64	0.47	0.0	0.0	0.0	0.0
11	0.04	0.0	0.13	0.20	2.71	0.0	0.0	2.06	0.0	0.0	0.0	1.04
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.37	0.0	0.0	0.0	0.0	0.0	0.0	0.93	0.0	0.0
16	0.0	0.0	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.08	0.0	0.72	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0
18	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.18	0.0	0.27	0.0
19	0.09	0.0	1.07	0.88	0.0	0.0	0.0	0.0	1.64	0.0	0.0	0.0
20	0.21	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.04	0.0	0.0	0.0
21	0.0	0.0	0.45	0.0	0.93	0.0	0.0	0.0	0.0	0.0	0.44	0.70
22	0.0	0.03	0.63	0.0	1.45	0.0	0.0	0.55	0.0	0.78	0.0	0.73
23	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.35
24	0.0	0.53	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.24	0.0
25	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.06	0.0	0.0	0.0	0.0	2.90	0.16	0.0	0.0	0.0	0.0	0.0
27	0.0	0.16	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.54	0.0	0.0	0.0	0.0	0.0	0.0	1.00
29	0.15		0.0	0.51	2.21	0.0	0.0	0.0	0.0	0.0	0.0	0.02
30	0.13		0.47	0.0	0.92	0.0	0.0	0.0	0.0	1.77	0.0	0.0
31	0.0		0.12		0.0		0.0	0.0		0.0		0.0
TOTAL	2.38	3.06	5.37	6.18	13.13	4.99	1.38	3.44	2.93	3.48	0.95	5.52
STA AV	2.05	2.64	3.32	3.72	3.86	3.21	2.11	2.64	3.52	4.38	2.65	2.64

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Raingage 75-A.
Station Averages: 10 yr beginning 1969. Station not in operation during 1976.

1978	MEAN DAILY DISCHARGE (CFS)					RIESEL (WACC), TEXAS	WATERSHED Y-14					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.856	0.0	0.0	0.126	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.108	0.0	0.0	0.033	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.038	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.027
MEAN	0.0	0.0006	0.0311	0.0	0.0	0.0066	0.0	0.0	0.0	0.0	0.0	0.0009
INCHES	0.0	0.070	4.097	0.0	0.0	0.841	0.0	0.0	0.0	0.0	0.0	0.114
STA AV	0.120	0.419	0.951	0.573	0.624	0.557	0.339	0.109	0.388	1.048	0.340	0.437

Station Averages: 9 yr beginning 1969. Station not in operation during 1976.
Conversion Factor: CFS to IN/DAY, multiply by 4.250295.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED Y-14

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0 T	0.0	0.0	0.733	0.0	0.119	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.007	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.051	0.0	0.0	0.0	0.104	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.256	0.0	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0 T	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.021	0.0	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.016	0.0	0.0	0.0	0.602	0.0	0.0	0.001	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	1.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.305	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.164	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.043	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.097	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.125	0.0	0.180	0.0	0.0	0.0	0.0	0.0	0.0	0.095
23	0.0	0.0	0.0 T	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.253
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.036	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.048
29	0.0		0.0	0.0	0.492	0.0	0.0	0.0	0.0	0.0	0.0	0.010
30	0.0		0.0	0.0	0.170	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.004		0.0	0.0		0.0		0.0
MEAN	0.0012	0.0110	0.0173	0.0247	0.0484	0.0076	0.0012	0.0	0.0	0.0	0.0	0.0131
INCHES	0.155	1.306	2.292	3.146	6.381	0.963	0.154	0.004	0.0	0.0	0.0	1.725
STA AV	0.124	0.508	1.304	0.831	1.200	0.598	0.320	0.099	0.349	0.943	0.306	0.566

Station Averages: 10 yr beginning 1969. Station not in operation during 1976.
Conversion Factor: CFS to IN/DAY, multiply by 4.250295.

1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS WATERSHED Y-14

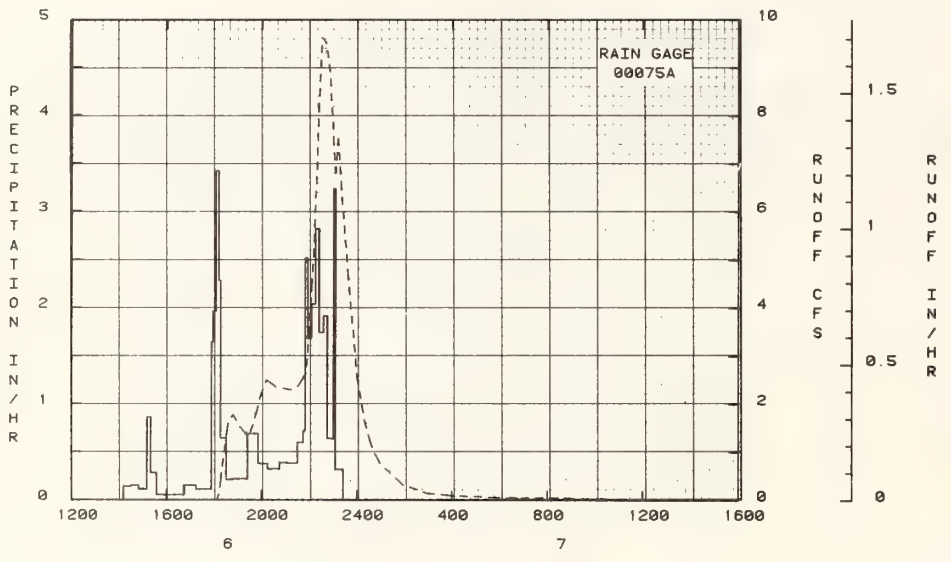
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MARCH 6 - 7, 1978						
RG 00075A				RG 00075A						
3- 6	0.10	0.0	3- 6	1411	0.0	0.0	3- 6	1807	0.0	0.0
				1431	0.1500	0.05		1813	0.126	0.0011
				1450	0.1579	0.10		1819	0.570	0.0073
				1511	0.1143	0.14		1835	1.597	0.0584
				1520	0.8667	0.27		1847	1.782	0.1183
WATERSHED CONDITIONS:										
100% pasture; good cover.				1535	0.2800	0.34		1907	1.505	0.2153
				1645	0.0514	0.40		1922	1.338	0.2782
				1715	0.1600	0.48		1932	1.425	0.3190
				1753	0.1105	0.55		1947	1.823	0.3909
				1757	1.6500	0.66		1957	2.167	0.4498
				1804	1.9714	0.89		2012	2.498	0.5531
				1811	3.4286	1.29		2036	2.353	0.7249
				1816	2.2800	1.48		2115	2.293	0.9923
				1831	0.6400	1.64		2133	2.398	1.1167
				1845	0.2143	1.69		2151	2.636	1.2501
				1925	0.2250	1.84		2159	3.455	1.3220
				1951	0.6923	2.14		2206	4.612	1.4054
				2015	0.3750	2.29		2211	5.232	1.4780
				2045	0.3200	2.45		2223	8.113	1.7143
				2105	0.3900	2.58		2231	9.620	1.9237
				2130	0.3840	2.74		2241	9.502	2.2059
				2145	0.6000	2.89		2251	8.902	2.4775
				2150	0.7200	2.95		2301	7.368	2.7176
				2155	2.5200	3.16		2305	6.785	2.8012
				2205	1.6800	3.44		2312	7.518	2.9489
				2215	2.0400	3.78		2320	6.436	3.1137
				2225	2.8200	4.25		2338	4.575	3.4062
				2235	1.7400	4.54		2400	2.560	3.6378
				2245	1.9200	4.86	3- 7	19	1.635	3.7555
				2301	0.6375	5.03		38	1.092	3.8319

Conversion Factor: CFS to IN/HR, multiply by 0.177096.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED Y-14

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2306	3.2400	5.30	3- 7	57	0.762	3.8839
				2325	0.3158	5.40		157	0.308	3.9787
								257	0.145	4.0188
								402	0.088	4.0411
								559	0.053	4.0655
								642	0.051	4.0721
								654	0.051	4.0739
								907	0.029	4.0896
								1027	0.017	4.0950
								1145	0.001	4.0971
								1232	0.0	4.0972

Conversion Factor: CFS to IN/HR, multiply by 0.177096.



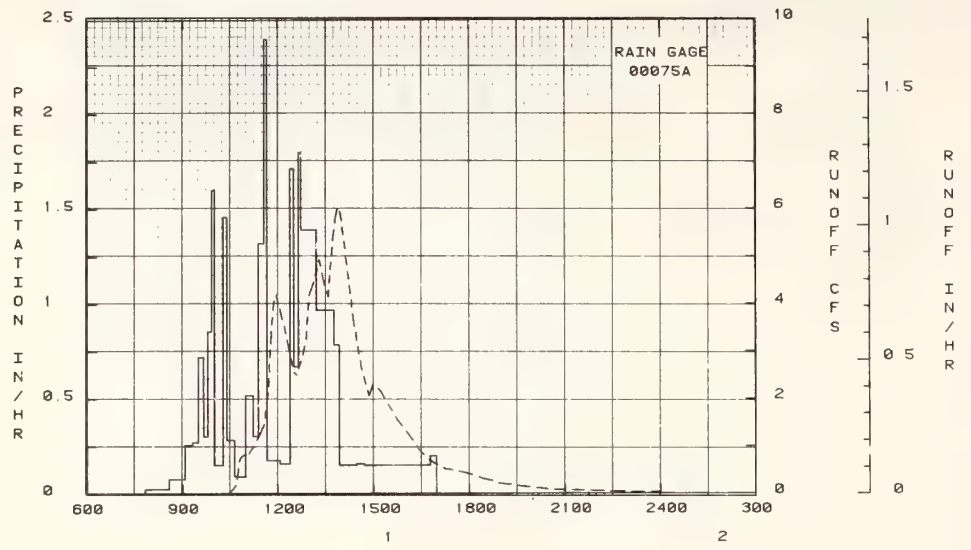
EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED Y-14

1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS — WATERSHED Y-14

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
RG 00075A			RG 00075A							
4- 1	0.0	0.0	4- 1	130	0.0	0.0	4- 1	1027	0.0	0.0
				750	0.0016	0.01		1040	0.180	0.0034
				835	0.0267	0.03		1044	0.390	0.0068
				905	0.0800	0.07		1049	0.768	0.0153
				919	0.2571	0.13		1057	0.830	0.0342
WATERSHED CONDITIONS:										
100% pasture; good cover.				930	0.2727	0.18		1106	0.862	0.0567
				940	0.7200	0.30		1115	1.012	0.0816
				948	0.3000	0.34		1126	1.264	0.1185
				955	0.8571	0.44		1134	1.460	0.1507
				1001	1.6000	0.60		1142	2.133	0.1931
				1017	0.1500	0.64		1148	3.425	0.2423
				1024	1.4571	0.81		1153	3.074	0.2976
				1039	0.2800	0.88		1157	4.178	0.3464
				1059	0.0900	0.91		1209	3.673	0.4854
				1114	0.5200	1.04		1222	2.994	0.6133
				1124	0.3000	1.09		1231	2.548	0.6869
				1134	1.3200	1.31		1236	2.498	0.7241
				1140	2.4000	1.55		1248	2.967	0.8209
				1204	0.1750	1.62		1254	3.278	0.8762
				1223	0.1579	1.67		1259	4.178	0.9312
				1230	1.7143	1.87		1308	4.464	1.0460
				1239	0.6667	1.97		1318	4.935	1.1847
				1244	1.8000	2.12		1328	4.392	1.3224
				1313	1.3862	2.79		1335	4.144	1.4106
				1346	0.9636	3.32		1339	4.743	1.4630
				1356	0.7800	3.45		1344	5.415	1.5380
				1428	0.1500	3.53		1348	5.772	1.6040
				1443	0.1600	3.57		1352	6.010	1.6736
				1647	0.1500	3.88		1357	5.944	1.7618
				1659	0.2000	3.92		1400	5.750	1.8136
								1410	4.820	1.9695
								1424	3.531	2.1421
								1438	2.598	2.2687
								1452	2.055	2.3649
								1459	2.305	2.4099
								1514	2.144	2.5084
								1528	1.874	2.5914
								1545	1.541	2.6771
								1606	1.247	2.7635
								1625	0.915	2.8241
								1648	0.676	2.8781
								1715	0.521	2.9258
								1753	0.405	2.9794
								1825	0.318	3.0150
								1843	0.274	3.0307
								1858	0.209	3.0414
								1918	0.185	3.0530
								1940	0.152	3.0640
								2013	0.114	3.0769
								2047	0.082	3.0867
								2122	0.066	3.0944
								2213	0.052	3.1033
								2253	0.039	3.1086
								2330	0.030	3.1124
								2400	0.030	3.1151

Conversion Factor: CFS to IN/HR, multiply by 0.177096.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS WATERSHED Y-14

LOCATION: Falls County, Texas; 18 miles southeast of Waco; Brazos River Basin. Lat. 31 deg. 27 min. 56 sec. N.; 96 deg. 53 min. 07 sec. W.

AREA: 9.90 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) RIESEL (WACO), TEXAS WATERSHED W-12

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.80	3.17	5.42	1.19	2.57	6.79	0.45	1.35	2.33	1.83	4.70	2.57	35.17
1978	Q	0.0	0.034	2.618	0.0	0.0	1.915	0.0	0.0	0.0	0.0	0.0	0.033	4.600
	P	2.03	2.52	4.71	5.56	11.55	4.48	1.28	3.09	2.52	3.24	0.91	4.97	46.86
1979	Q	0.017	0.117	0.735	2.143	5.757	0.667	0.105	0.010	0.0	0.050	0.0	1.225	10.827
STA AV	P	1.91	2.30	3.01	3.96	4.42	3.26	2.72	2.36	4.10	4.40	2.45	2.58	37.47
	Q	0.066	0.280	0.589	0.936	0.947	0.631	0.293	0.134	0.483	0.830	0.429	0.505	6.123

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3- 6	2.078	3- 6	1.445	3- 6	2.031	3- 6	2.589	3- 6	2.613	3- 6	2.618	3- 5	2.618	2-27	2.618
1979	5-11	2.045	5-11	1.311	5-10	2.038	5-10	2.510	5-10	2.520	5-10	2.745	5-10	2.747	5-28	3.044
MAXIMUMS FOR PERIOD OF RECORD																
	6- 3	2.862	6- 3	1.675	5-10	2.038	3- 6	2.589	10-31	2.977	10-30	3.226	10-30	3.234	5-29	3.437
	1973		1973		1979		1978		1974		1974		1974		1973	

Watershed Conditions: 97% sorghum; 3% grassed waterway. Cropland planted on graded furrows.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1969, USDA Misc. Pub. 1370, p. 42.039-3.
Precipitation: Data from rain gage W1E.
Runoff: Records began October 1, 1969. Part-year records are included in station averages.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) RIESEL (WACO), TEXAS WATERSHED W-12

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.49	1.25	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.85	0.0	0.0	0.0	0.0	0.0	0.17
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0
5	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.66	0.0	0.07	1.01	0.0
6	0.0	0.09	5.14	0.0	0.0	4.86	0.0	0.0	0.0	0.0	0.0	0.02
7	0.0	0.17	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0
10	0.0	0.0	0.0	0.82	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
11	1.11	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.40	0.0	0.0	0.25	0.0	0.0	0.0	0.21	0.0	0.0	0.0
13	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0
16	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.0
17	0.0	0.51	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.26	0.0
20	0.0	0.0	0.0	0.0	0.92	0.0	0.0	0.0	0.0	0.0	0.04	0.0
21	0.07	0.0	0.0	0.0	0.46	0.0	0.0	0.03	0.0	0.0	0.37	0.0
22	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
23	0.0	0.0	0.16	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.73	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	1.00	0.0
27	0.0	0.06	0.0	0.0	0.0	0.0	0.22	0.0	0.10	0.0	0.04	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
31	0.30		0.0		0.0		0.0	0.17		0.0		2.19
TOTAL	2.80	3.17	5.42	1.19	2.57	6.79	0.45	1.35	2.33	1.83	4.70	2.57
STA AV	1.89	2.27	2.82	3.79	3.63	3.12	2.88	2.28	4.28	4.52	2.60	2.34

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage W1B.
Station Averages: 10 yr beginning 1969 (part-year records included).

1979	DAILY PRECIPITATION (INCHES)					RIESEL (WACC), TEXAS WATERSHED W-12						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.46	0.82	0.72	0.0	0.39	0.0	0.0	0.0	0.0
2	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.20	0.13	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0
5	0.08	0.44	0.0	0.0	0.0	0.98	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.46	0.1	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0
7	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.91	0.0	0.0	0.0	1.72	0.19	0.59	0.47	0.0	0.0	0.0	0.0
11	0.0	0.0	0.09	0.21	2.51	0.0	0.0	1.93	0.0	0.0	0.0	0.91
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.20	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0
16	0.0	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.03	0.07	0.0	0.67	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
18	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.14	0.0	0.28	0.0
19	0.06	0.0	1.03	0.71	0.0	0.0	0.0	0.0	1.31	0.0	0.0	0.0
20	0.20	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.39	0.0	0.78	0.0	0.0	0.0	0.0	0.0	0.40	0.72
22	0.0	0.02	0.58	0.0	1.35	0.0	0.0	0.30	0.0	0.75	0.0	0.57
23	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.29
24	0.0	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0
25	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.04	0.0	0.0	0.0	0.0	2.59	0.11	0.0	0.0	0.0	0.0	0.0
27	0.0	0.11	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.89
29	0.17		0.0	0.51	1.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.16		0.30	0.0	0.82	0.0	0.0	0.0	0.0	1.61	0.0	0.0
31	0.0		0.19		0.0		0.0	0.0		0.0		0.0
TOTAL	2.03	2.52	4.71	5.56	11.55	4.48	1.28	3.09	2.52	3.24	0.91	4.97
STA AV	1.91	2.30	3.01	3.96	4.42	3.26	2.72	2.36	4.10	4.40	2.45	2.58

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage W1B.
Station Averages: 11 yr beginning 1969 (part-year records included).

1978	MEAN DAILY DISCHARGE (CFS)					RIESEL (WACC), TEXAS WATERSHED W-12						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	1.075	0.0	0.0	0.673	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.014	0.0	0.0	0.104	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.019	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.014
MEAN	0.0	0.0005	0.0351	0.0	0.0	0.0266	0.0	0.0	0.0	0.0	0.0	0.0004
INCHES	0.0	0.034	2.618	0.0	0.0	1.915	0.0	0.0	0.0	0.0	0.0	0.033
STA AV	0.072	0.298	0.573	0.802	0.412	0.627	0.314	0.148	0.537	0.908	0.472	0.433

Station Averages: 10 yr beginning 1969 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 2.404207.

1979 MEAN DAILY DISCHARGE (CFS) RIESEL (WACO), TEXAS WATERSHED W-12

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.001	0.0	0.0	0.884	0.022	0.162	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.011	0.0	0.0	0.0	0.115	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.038	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.004	0.0	0.0	0.0	0.154	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.002	0.0	0.0	0.0	0.988	0.0	0.0	0.004	0.0	0.0	0.0	0.006
12	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.026
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.083	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.009	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.081	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003
22	0.0	0.0	0.119	0.0	0.241	0.0	0.0	0.0	0.0	0.0	0.0	0.114
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.302
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.044	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.143	0.0	0.0	0.0	0.0	0.0	0.0	0.042
29	0.0		0.0	0.0	0.613	0.0	0.0	0.0	0.0	0.0	0.0	0.014
30	0.0		0.0	0.0	0.233	0.0	0.0	0.0	0.0	0.021	0.0	0.0 T
31	0.0		0.0		0.0 T		0.0	0.0		0.0 T		0.0
MEAN	0.0002	0.0017	0.0099	0.0297	0.0772	0.0092	0.0014	0.0001	0.0	0.0007	0.0	0.0164
INCHES	0.017	0.117	0.735	2.143	5.757	0.667	0.105	0.010	0.0	0.050	0.0	1.225
STA AV	0.064	0.280	0.589	0.936	0.547	0.631	0.293	0.134	0.483	0.830	0.429	0.505

Station Averages: 11 yr beginning 1969 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 2.404207.

1978 SELECTED RUNOFF EVENT RIESEL (WACO), TEXAS WATERSHED W-12

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978							
RG 000W1B			RG 000W1B							
3- 6	0.0	0.0	3- 6	1338	0.0	0.0	3- 6	1807	0.0	0.0
				1346	0.0750	0.01		1810	0.171	0.0004
				1358	0.4000	0.09		1815	0.333	0.0025
				1413	0.3200	0.17		1829	0.429	0.0114
				1428	0.1600	0.21		1848	0.393	0.0245
WATERSHED CONDITIONS: 97% sorghum; 3% Bermudagrass waterway, good cover.				1453	0.1440	0.27		1913	0.405	0.0411
				1507	0.0857	0.29		1929	0.656	0.0553
				1518	0.3273	0.35		1938	1.255	0.0697
				1523	0.8400	0.42		1950	1.915	0.1014
				1538	0.2400	0.46		2002	2.757	0.1482
				1608	0.0600	0.51		2029	2.125	0.2583
				1637	0.0207	0.52		2041	1.976	0.2993
				1708	0.1161	0.58		2059	2.061	0.3600
				1722	0.1286	0.61		2111	2.573	0.4064
				1753	0.0581	0.64		2119	3.006	0.4437
				1759	1.1000	0.75		2133	2.217	0.5047
				1807	3.1500	1.17		2145	2.798	0.5550
				1813	2.4000	1.41		2158	6.213	0.6527
				1823	1.2600	1.62		2208	11.207	0.7982
				1838	0.2000	1.67		2219	16.840	1.0557
				1903	0.2160	1.76		2229	20.748	1.3695
				1928	0.0480	1.78		2237	16.591	1.6189
				1953	0.7920	2.11		2243	16.881	1.7865
				2003	0.4200	2.19		2251	12.133	1.9803
				2013	0.3600	2.24		2258	8.003	2.0979
				2033	0.3600	2.36		2303	6.358	2.1566
				2058	0.2880	2.48		2310	12.857	2.2672
				2122	0.4000	2.64		2319	8.240	2.4257
				2143	0.4000	2.78		2324	5.159	2.4818
				2152	1.1333	2.95		2333	2.018	2.5360

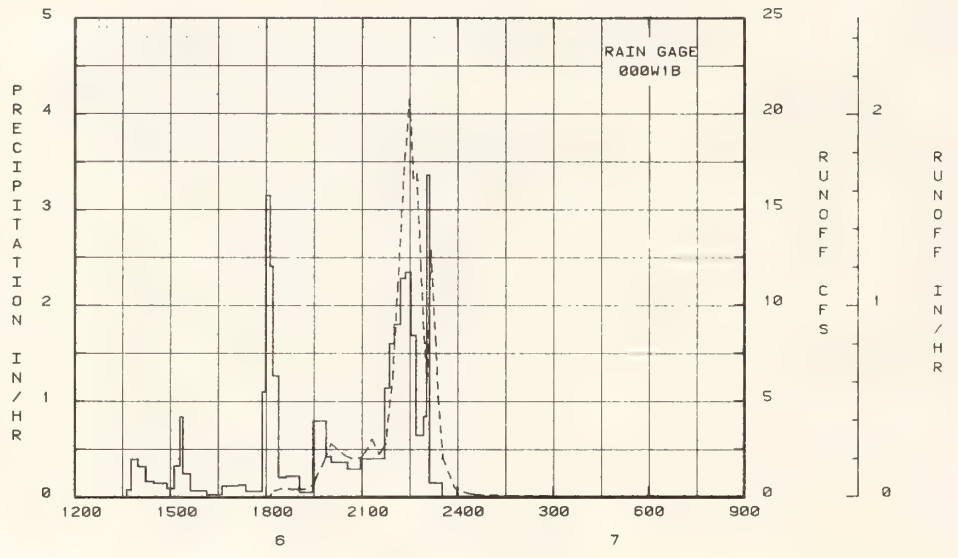
Conversion Factor: CFS to IN/HR, multiply by 0.190176.

42.239-

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED W-12

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2201	1.6000	3.19	3- 6	2355	0.467	2.5816
				2212	1.8000	3.52		2400	0.366	2.5851
				2222	2.2800	3.90	3- 7	25	0.132	2.5955
				2232	2.3400	4.29		49	0.075	2.5996
				2242	1.6800	4.57		154	0.033	2.6055
				2257	0.6400	4.73		254	0.021	2.6082
				2302	0.8400	4.80		349	0.015	2.6098
				2307	3.3600	5.08		500	0.013	2.6115
				2332	0.1440	5.14		559	0.011	2.6127
								659	0.011	2.6138
								849	0.009	2.6156

Conversion Factor: CFS to IN/HR, multiply by 0.100175.



EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED W-12

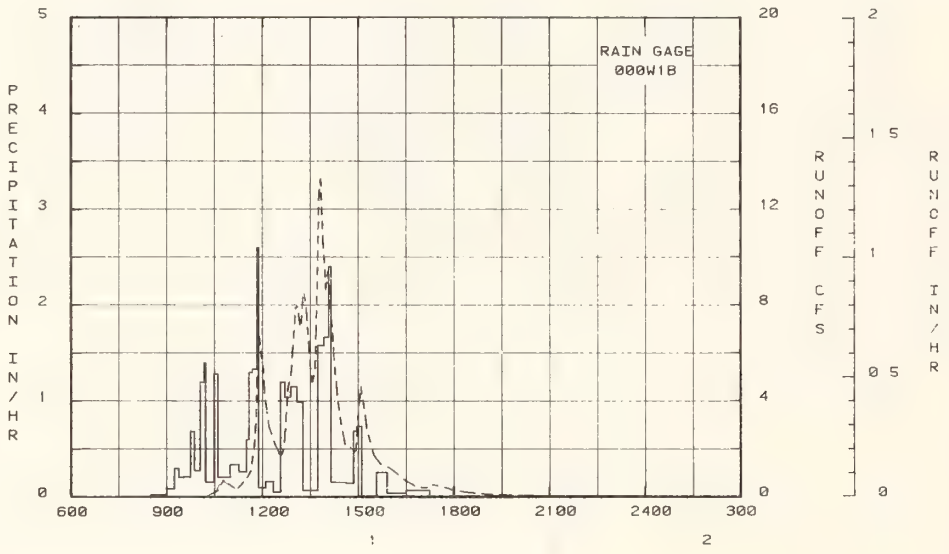
1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED W-12

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979							
	RG 000W1B			RG 000W1B						
4- 1	0.0	0.0	4- 1	116	0.0	0.0	4- 1	1015	0.0	0.0
				145	0.0	0.0		1019	0.042	0.0001
				806	0.0	0.0		1026	0.155	0.0013
				830	0.0	0.0		1036	0.283	0.0049
				900	0.0200	0.01		1042	0.526	0.0090
WATERSHED CONDITIONS: 97% sorghum; 3% Bermudagrass waterway, good cover.				914	0.0857	0.03		1047	0.683	0.0140
				922	0.3000	0.07		1056	0.530	0.0232
				931	0.2000	0.10		1107	0.366	0.0314
				945	0.2143	0.15		1114	0.374	0.0357
				952	0.6857	0.23		1124	0.629	0.0441
				1003	0.2727	0.28		1132	0.828	0.0538
				1010	1.2000	0.42		1138	1.096	0.0634
				1013	1.4000	0.49		1145	2.082	0.0820
				1029	0.1500	0.53		1148	3.049	0.0949
				1036	1.2857	0.68		1150	4.715	0.1078
				1100	0.2000	0.76		1152	6.036	0.1258
				1116	0.3375	0.85		1154	6.646	0.1469
				1130	0.2571	0.91		1201	5.462	0.2177
				1135	0.6000	0.96		1204	4.313	0.2422
				1141	1.3000	1.09		1207	3.768	0.2624
				1150	1.3333	1.25		1213	2.894	0.2958
				1153	2.6000	1.42		1224	2.158	0.3422
				1206	0.0923	1.44		1232	1.795	0.3666
				1221	0.1600	1.48		1236	1.746	0.3804
				1234	0.0462	1.49		1240	1.976	0.3928
				1242	1.2000	1.65		1242	2.535	0.4004
				1253	1.0364	1.84		1244	3.208	0.4099
				1305	1.1500	2.07		1248	4.493	0.4357
				1316	0.9818	2.25		1254	5.159	0.4842
				1344	0.0643	2.28		1258	6.347	0.5227
				1355	1.5818	2.57		1302	7.925	0.5704
				1404	1.6667	2.82		1306	7.951	0.6234
				1409	2.4000	3.02		1310	7.194	0.6740
				1438	0.1448	3.09		1313	7.268	0.7102
				1451	0.1385	3.12		1316	8.320	0.7492
				1458	0.6857	3.20		1318	8.482	0.7773
				1507	0.7333	3.31		1323	7.668	0.8447
				1535	0.0	3.31		1327	6.280	0.8913
				1554	0.2526	3.35		1330	5.320	0.9203
				1630	0.0333	3.41		1334	4.771	0.9540
				1715	0.0667	3.46		1339	5.380	0.9964
								1341	7.170	1.0173
								1344	10.266	1.0610
								1346	12.543	1.0991
								1349	13.282	1.1638
								1354	10.668	1.2637
								1359	8.645	1.3444
								1403	9.376	1.4045
								1409	7.693	1.4900
								1415	5.692	1.5571
								1421	4.207	1.6066
								1428	3.006	1.6468
								1435	2.182	1.6791
								1445	2.050	1.7144
								1453	1.884	1.7407
								1456	1.935	1.7503
								1459	2.922	1.7624
								1502	4.001	1.7798
								1505	4.603	1.8013
								1509	3.984	1.8300
								1516	2.852	1.8699
								1529	1.727	1.9196
								1543	1.344	1.9555
								1559	1.201	1.9895
								1615	0.857	2.0175
								1631	0.624	2.0378
								1646	0.454	2.0513
								1703	0.351	2.0628
								1710	0.389	2.0671
								1720	0.476	2.0743

Conversion Factor: CFS to IN/HR, multiply by 0.100175.

1979 SELECTED RUNOFF EVENT								RIESEL (WACO), TEXAS WATERSHED W-12			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
							4- 1	1730	0.442	2.0820
								1744	0.366	2.0914
								1759	0.258	2.0992
								1822	0.174	2.1075
								1839	0.128	2.1118
								1859	0.087	2.1154
								1934	0.046	2.1193
								2005	0.034	2.1213
								2029	0.022	2.1225
								2053	0.013	2.1232
								2119	0.010	2.1237
								2150	0.008	2.1241
								2226	0.006	2.1245
								2300	0.007	2.1249
								2400	0.004	2.1255

Conversion Factor: CFS to IN/HR, multiply by 0.100175.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS WATERSHED W-12

LOCATION: Falls County, Texas; 18 miles southeast of Waco; Brazos River Basin. Lat. 31 deg. 27 min. 57 sec. N.; Long. 96 deg. 53 min. 08 sec. W.

AREA: 11.30 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — RIESEL (WACO), TEXAS WATERSHED W-13

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	2.80	3.17	5.42	1.19	2.57	6.79	0.45	1.35	2.33	1.83	4.70	2.57	35.17
	Q	0.004	0.067	0.948	0.0	0.0	2.101	0.0	0.0	0.0	0.0	0.0	0.058	3.177
1979	P	2.03	2.52	4.71	5.56	11.55	4.48	1.28	3.09	2.52	3.24	0.91	4.97	46.86
	Q	0.169	0.146	0.858	2.174	6.053	0.883	0.0	0.001	0.0	0.020	0.0	0.815	11.059
STA AV	P	1.91	2.30	3.01	3.96	4.42	3.26	2.72	2.36	4.10	4.40	2.45	2.58	37.47
	Q	0.077	0.353	0.421	1.117	1.081	0.669	0.216	0.041	0.394	0.714	0.331	0.475	5.887

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval											
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	6- 6	1.921	6- 6	1.021	6- 6	1.595	6- 6	1.647	6- 6	1.648	6- 6	1.795	6- 6	2.098	5-31	2.101
1979	5-10	2.248	5-10	1.298	5-10	2.028	5-10	2.448	5-10	2.455	5-10	2.688	5-10	2.689	5-29	3.422
MAXIMUMS FOR PERIOD OF RECORD														
	7- 6	1.817	6- 6	1.669	5-10	2.028	10-31	3.004	10-31	3.652	10-30	3.942	10-30	3.951	10-30	3.985
	1973		1973		1979		1974		1974		1974		1974		1974	

Watershed Conditions: 96% sorghum; 4% grassed waterway. Cropland planted on graded furrows.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1969, USDA Misc. Pub. 1270, p. 42.040-3.
Precipitation: Data from rain gage W1E.
Runoff: Records began October 1, 1969. Part-year records included in station averages.
Long-Term Precipitation: National Weather Service records at Waco, Texas.

1978 DAILY PRECIPITATION (INCHES) — RIESEL (WACO), TEXAS WATERSHED W-13

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.49	1.25	0.0	0.0	0.0
2	0.05	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.85	0.0	0.0	0.0	0.0	0.0	0.17
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0
5	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.66	0.0	0.07	1.01	0.0
6	0.0	0.09	5.14	0.0	0.0	4.86	0.0	0.0	0.0	0.0	0.0	0.02
7	0.0	0.17	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0
10	0.0	0.0	0.0	0.82	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
11	1.11	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.40	0.0	0.0	0.25	0.0	0.0	0.0	0.21	0.0	0.0	0.0
13	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0
16	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.0
17	0.0	0.51	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.26	0.0
20	0.0	0.0	0.0	0.0	0.92	0.0	0.0	0.0	0.0	0.0	0.04	0.0
21	0.07	0.0	0.0	0.0	0.46	0.0	0.0	0.03	0.0	0.0	0.37	0.0
22	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
23	0.0	0.0	0.16	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.73	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	1.00	0.0
27	0.0	0.06	0.0	0.0	0.0	0.0	0.22	0.0	0.10	0.0	0.04	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19
31	0.80		0.0		0.0		0.0	0.17		0.0		2.19
TOTAL	2.80	3.17	5.42	1.19	2.57	6.79	0.45	1.35	2.33	1.83	4.70	2.57
STA AV	1.89	2.27	2.82	3.79	3.63	3.12	2.88	2.28	4.28	4.52	2.60	2.34

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage W1E.
Station Averages: 10 yr beginning Oct. 1, 1969 (part-year records included).

1979	DAILY PRECIPITATION (INCHES)					RIESEL (WACO), TEXAS WATERSHED W-13						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.46	0.82	0.72	0.0	0.39	0.0	0.0	0.0	0.0
2	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.20	0.13	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0
5	0.08	0.44	0.0	0.0	0.0	0.98	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.46	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0
7	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.91	0.0	0.0	0.0	1.72	0.19	0.59	0.47	0.0	0.0	0.0	0.0
11	0.0	0.0	0.09	0.21	2.51	0.0	0.0	1.93	0.0	0.0	0.0	0.91
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.20	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0
16	0.0	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.03	0.07	0.0	0.67	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
18	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.14	0.0	0.28	0.0
19	0.06	0.0	1.03	0.71	0.0	0.0	0.0	0.0	1.31	0.0	0.0	0.0
20	0.29	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.39	0.0	0.78	0.0	0.0	0.0	0.0	0.0	0.40	0.72
22	0.0	0.02	0.58	0.0	1.35	0.0	0.0	0.30	0.0	0.75	0.0	0.57
23	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.29
24	0.0	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0
25	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.04	0.0	0.0	0.0	0.0	2.59	0.11	0.0	0.0	0.0	0.0	0.0
27	0.0	0.11	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.89
29	0.17		0.0	0.51	1.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.16		0.30	0.0	0.82	0.0	0.0	0.0	0.0	1.61	0.0	0.0
31	0.0		0.19		0.0		0.0	0.0		0.0		0.0
TOTAL	2.03	2.52	4.71	5.56	11.55	4.48	1.28	3.09	2.52	3.24	0.91	4.97
STA AV	1.91	2.30	3.01	3.96	4.42	3.26	2.72	2.36	4.10	4.40	2.45	2.58

Air Temperature: See table for Watershed C, p. 42.002-1.
Gaging: Rain gage 41B.
Station Averages: 11 yr beginning Oct. 1, 1969 (part-year records included).

1978	MEAN DAILY DISCHARGE (CFS)					RIESEL (WACO), TEXAS WATERSHED W-13						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.433	0.0	0.0	0.809	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.017	0.0	0.0	0.164	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.024	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.030	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.027
MEAN	0.0001	0.0011	0.0145	0.0	0.0	0.0332	0.0	0.0	0.0	0.0	0.0	0.0009
INCHES	0.004	0.067	0.948	0.0	0.0	2.101	0.0	0.0	0.0	0.0	0.0	0.058
STA AV	0.073	0.376	0.372	0.999	0.529	0.645	0.240	0.045	0.437	0.783	0.364	0.441

Station Averages: 10 yr beginning Oct. 1, 1969 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 2.106341.

1979	MEAN DAILY DISCHARGE (CFS)							RIESEL (WACC), TEXAS WATERSHED W-13				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.003	0.0	0.0	1.024	0.025	0.225	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.022	0.0	0.0	0.0	0.156	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.041	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.044	0.0	0.0	0.0	0.325	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.005	0.0	0.0	0.0	0.951	0.0	0.0	0.001	0.0	0.0	0.0	0.004
12	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.011
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.161	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.005	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003
22	0.0	0.0	0.162	0.0	0.328	0.0	0.0	0.0	0.0	0.0	0.0	0.051
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.278
24	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.003
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.038	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.243	0.0	0.0	0.0	0.0	0.0	0.0	0.022
29	0.0		0.0	0.0	0.698	0.0	0.0	0.0	0.0	0.0	0.0	0.014
30	0.0		0.0	0.0	0.302	0.0	0.0	0.0	0.0	0.009	0.0	0.0
31	0.0		0.0		0.0 T		0.0	0.0		0.0		0.0
MEAN	0.0017	0.0025	0.0131	0.0344	0.0927	0.0140	0.0	0.0	0.0	0.0003	0.0	0.0125
INCHES	0.109	0.146	0.858	2.174	6.053	0.883	0.0	0.001	0.0	0.020	0.0	0.815
STA AV	0.077	0.353	0.421	1.117	1.081	0.669	0.216	0.041	0.394	0.714	0.331	0.475

Station Averages: 11 yr beginning Oct. 1, 1969 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 2.106341.

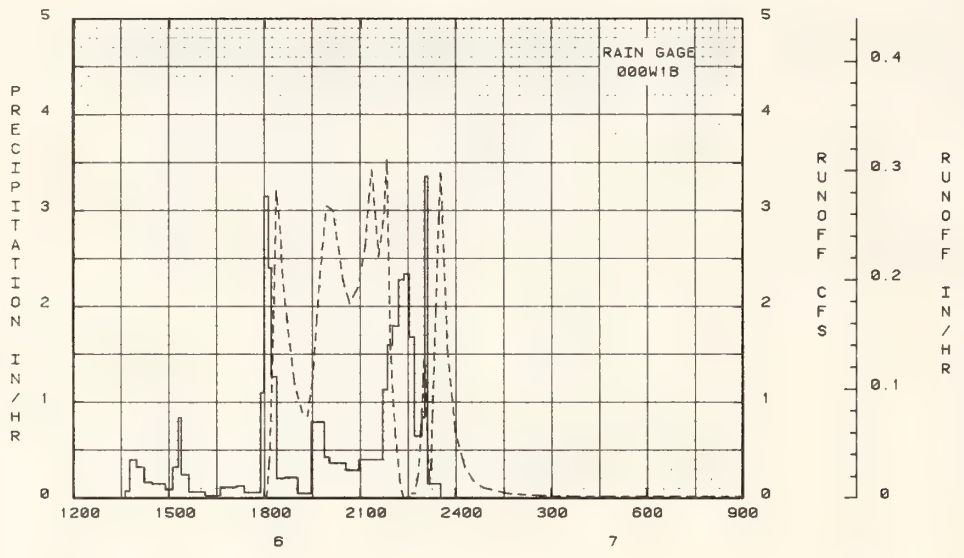
1978	SELECTED RUNOFF EVENT							RIESEL (WACC), TEXAS WATERSHED W-13			
ANTECEDENT CONDITIONS				RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MARCH 6 - 7, 1978						
RG 0C0W1B				RG 0C0W1B						
3- 6	0.0	0.0	3- 6	1338	0.0	0.0	3- 6	1804	0.0	0.0
				1346	0.0750	0.01		1810	0.426	0.0019
				1358	0.4000	0.09		1815	1.433	0.0067
				1413	0.3200	0.17		1819	2.358	0.0198
				1428	0.1600	0.21		1822	3.213	0.0320
WATERSHED CONDITIONS:										
96% sorghum; 4% Bermudagrass				1453	0.1440	0.27		1830	2.758	0.0669
waterway, good cover.				1507	0.0857	0.29		1834	2.297	0.0817
				1518	0.3273	0.35		1843	1.827	0.1089
				1523	0.8400	0.42		1857	1.179	0.1396
				1538	0.2400	0.48		1911	0.894	0.1609
				1608	0.0600	0.51		1921	0.849	0.1736
				1637	0.0207	0.52		1930	1.203	0.1871
				1708	0.1161	0.58		1939	1.918	0.2077
				1722	0.1286	0.61		1947	2.521	0.2336
				1753	0.0581	0.64		1956	3.052	0.2703
				1759	1.1000	0.75		2009	2.994	0.3278
				1807	3.1500	1.17		2027	2.285	0.3973
				1813	2.4000	1.41		2040	2.034	0.4384
				1823	1.2600	1.62		2056	2.199	0.4879
				1838	0.2000	1.67		2109	2.625	0.5338
				1903	0.2160	1.76		2116	3.110	0.5631
				1928	0.0480	1.76		2121	3.425	0.5870
				1953	0.7920	2.11		2135	2.521	0.6479
				2003	0.4200	2.18		2145	2.980	0.6881
				2013	0.3600	2.24		2150	3.535	0.7119
				2033	0.3600	2.36		2157	1.549	0.7380
				2058	0.2880	2.46		2206	0.700	0.7528
				2122	0.4000	2.64		2216	0.155	0.7590
				2143	0.4000	2.78		2222	0.005	0.7597
				2152	1.1333	2.95		2228	0.0	0.7597

Conversion Factor: CFS to IN/HR, multiply by 0.087764.

1978 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED W-13

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 6 - 7, 1978 (CONTINUED)							
			3- 6	2201	1.6000	3.19	3- 6	2234	0.006	0.7598
				2212	1.8000	3.52		2238	0.047	0.7599
				2222	2.2800	3.90		2244	0.045	0.7603
				2232	2.3400	4.29		2250	0.262	0.7617
				2242	1.6800	4.57		2256	0.776	0.7662
				2257	0.6400	4.73		2259	1.218	0.7706
				2302	0.8400	4.80		2302	1.531	0.7766
				2307	3.3600	5.08		2308	0.519	0.7856
				2332	0.1440	5.14		2311	0.144	0.7871
								2314	0.333	0.7881
								2317	0.921	0.7909
								2323	1.960	0.8035
								2328	2.910	0.8213
								2332	3.394	0.8398
								2345	1.540	0.8867
								2400	0.683	0.9111
							3- 7	18	0.322	0.9243
								35	0.171	0.9304
								54	0.097	0.9342
								144	0.039	0.9391
								249	0.019	0.9419
								353	0.013	0.9434

Conversion Factor: CFS to IN/HR, multiply by 0.087764.



EVENT OF MARCH 6 - 7, 1978

RIESEL (WACO), TEXAS WATERSHED W-13

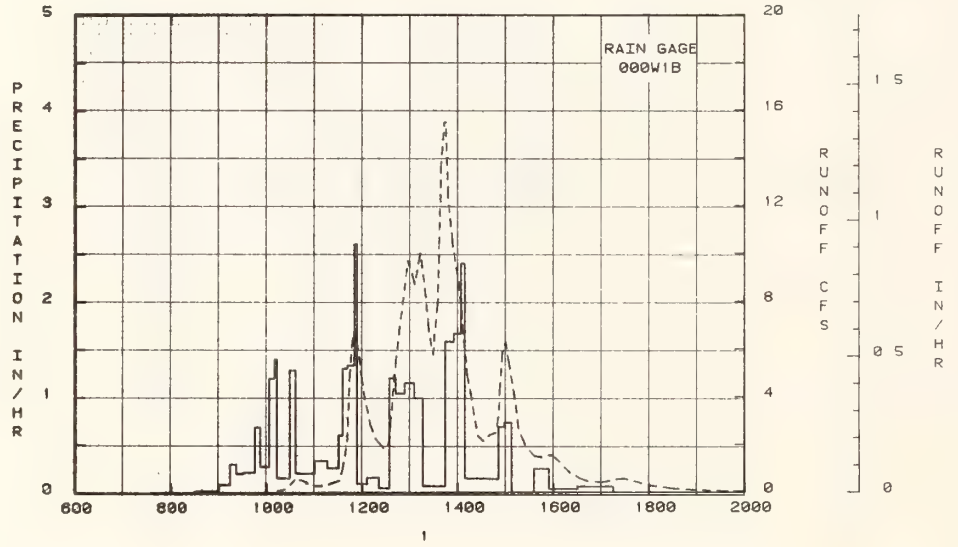
1979 SELECTED RUNOFF EVENT — RIESEL (WACO), TEXAS WATERSHED W-1B

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (CFS)	Acc. (inches)
				EVENT OF APRIL 1, 1979						
RG 000W1B				RG 000W1B						
4- 1	0.0	0.0	4- 1	116	0.0	0.0	4- 1	1005	0.0	0.0
				145	0.0	0.0		1008	0.021	0.0001
				806	0.0	0.0		1014	0.104	0.0005
				830	0.0	0.0		1023	0.196	0.0021
				900	0.0200	0.01		1030	0.370	0.0055
WATERSHED CONDITIONS:										
96% sorghum; 4% Bermudagrass waterway, good cover.				914	0.0857	0.03		1035	0.567	0.0085
				922	0.3000	0.07		1041	0.572	0.0135
				931	0.2000	0.10		1052	0.385	0.0212
				945	0.2143	0.15		1059	0.275	0.0245
				952	0.6857	0.23		1109	0.268	0.0285
				1003	0.2727	0.28		1120	0.389	0.0349
				1010	1.2000	0.42		1131	0.519	0.0411
				1013	1.4000	0.49		1135	0.952	0.0455
				1029	0.1500	0.53		1141	2.222	0.0556
				1036	1.2857	0.68		1142	3.183	0.0635
				1100	0.2000	0.76		1144	4.884	0.0753
				1116	0.3375	0.85		1147	6.196	0.0996
				1130	0.2571	0.91		1150	8.864	0.1283
				1135	0.6000	0.96		1156	7.673	0.1833
				1141	1.3000	1.09		1159	4.807	0.2063
				1150	1.3333	1.29		1203	4.910	0.2318
				1153	2.6000	1.42		1210	2.840	0.2663
				1206	0.0923	1.44		1218	2.256	0.2887
				1221	0.1600	1.48		1226	1.847	0.3189
				1234	0.0462	1.49		1232	1.971	0.3357
				1242	1.2000	1.69		1234	2.322	0.3420
				1253	1.0364	1.84		1236	3.168	0.3500
				1305	1.1500	2.07		1242	5.441	0.3878
				1316	0.9818	2.25		1246	6.701	0.4233
				1344	0.0643	2.28		1251	7.255	0.4767
				1355	1.5818	2.57		1257	9.731	0.5540
				1404	1.6667	2.82		1303	9.111	0.6466
				1409	2.4000	3.02		1308	8.720	0.7757
				1438	0.1448	3.09		1313	11.047	0.7717
				1451	0.1385	3.12		1320	9.177	0.8844
				1458	0.6857	3.20		1324	8.796	0.9285
				1507	0.7333	3.31		1329	9.259	0.9542
				1535	0.0	3.31		1335	8.124	1.0151
				1554	0.2526	3.39		1337	10.098	1.0427
				1630	0.0333	3.41		1339	13.579	1.0782
				1715	0.0667	3.46		1343	15.478	1.1632
								1345	15.517	1.2065
								1348	12.341	1.2697
								1354	10.294	1.3690
								1401	8.803	1.4668
								1407	6.654	1.5346
								1412	4.903	1.5768
								1416	4.167	1.6034
								1425	2.346	1.6462
								1432	2.154	1.6693
								1439	2.409	1.6926
								1447	2.508	1.7214
								1451	3.183	1.7381
								1453	4.600	1.7494
								1456	5.909	1.7725
								1500	6.331	1.8083
								1505	5.159	1.8503
								1510	4.220	1.8848
								1516	2.865	1.9148
								1524	1.981	1.9423
								1535	1.531	1.9703
								1545	1.460	1.9921
								1556	1.588	2.0166
								1607	1.290	2.0356
								1620	0.831	2.0600
								1632	0.608	2.0726
								1643	0.460	2.0812
								1658	0.415	2.0908
								1710	0.501	2.0989
								1722	0.588	2.1084

Conversion Factor: CFS to IN/HR, multiply by 0.087764.

1979 SELECTED RUNOFF EVENT								RIESEL (WACO), TEXAS WATERSHED W-13			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 1, 1979 (CONTINUED)							
							4- 1	1733	0.548	2.1176
								1800	0.281	2.1339
								1823	0.169	2.1415
								1837	0.135	2.1446
								1849	0.086	2.1466
								1916	0.060	2.1494
								1938	0.038	2.1510

Conversion Factor: CFS to IN/HR, multiply by 0.087764.



EVENT OF APRIL 1, 1979

RIESEL (WACO), TEXAS WATERSHED W-13

LOCATION: Piatt Co., Il; 5 mi. SW of Monticello, Sangamon River, Illinois River, Mississippi River Basin. Lat. 40 deg. 59 min. 42 sec. N.; Long. 88 deg. 38 min. 45 sec. W.

AREA: 82.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IA

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	0.88	0.46	3.77	3.55	4.25	2.29	5.40	7.07	1.98	1.70	2.90	2.73	36.98
	Q	0.0	0.0	0.486	0.0	0.005	0.0	0.0	0.018	0.000	0.0	0.0	0.000	0.509
1979	P	2.18	1.11	5.79	9.32	1.34	0.93	10.58	2.91	0.39	1.53	2.44	1.44	40.05
	Q	0.0	0.0	2.170	0.229	0.0	0.0	0.269	0.159	0.0	0.0	0.0	0.0	2.827
STA AV	P	1.70	1.86	3.06	3.84	3.62	4.14	4.88	3.55	2.92	2.85	2.17	2.32	46.71
	Q	0.151	0.231	0.205	0.151	0.098	0.407	0.197	0.136	0.002	0.128	0.004	0.179	1.889

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval: 1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		3 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	3-20	0.195	3-20	0.146	3-20	0.255	3-20	0.309	3-20	0.310	3-20	0.310	3-19	0.310	3-19	0.456
1979	3- 4	0.298	3- 4	0.270	3- 4	0.503	3- 4	1.023	3- 4	1.546	3- 4	2.027	3- 3	2.029	3-29	2.029
MAXIMUMS FOR PERIOD OF RECORD																
	6- 6	1.413	6- 6	0.568	8- 7	0.898	8- 7	1.535	6-22	2.299	6-22	2.511	6-21	2.578	6-19	3.593
	1973		1973		1977		1977		1974		1974		1974		1974	

Watershed Conditions: With the exception of a small portion (3.8%) devoted to roads and 14.7% in permanent pasture, the entire area is used for cropping activities.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1974, USDA Misc. Pub. 1437, p. 61.001-23.
Precipitation: Records began August 1949. Data from R-1 gage, located about 400 ft. east of streamgaging station IA.
Runoff: Records began August 1949.
Long-Term Precipitation: National Weather Service records at Decatur, Illinois.

1978 DAILY PRECIPITATION (INCHES) — MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IA

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.10	0.0	0.0	0.0	0.0	0.0	1.07	0.45	0.0	0.0	0.0	0.33
2	0.0	0.0	0.09	0.0	0.0	0.20	0.94	2.24	0.0	0.14	0.0	0.0
3	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.0	0.0
4	0.0	0.01	0.0	0.63	0.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.05	0.0	0.0	0.10	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.06	0.0	0.0	0.21	0.09	0.0	0.0	0.11	0.0	0.0	0.25	0.70
7	0.07	0.0	0.23	0.0	0.74	0.24	0.0	0.04	0.0	0.0	0.0	0.05
8	0.0	0.0	0.13	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
9	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.53	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0
11	0.0	0.0	0.13	0.0	0.49	0.0	0.0	0.0	0.0	0.14	0.0	0.0
12	0.09	0.0	0.0	0.0	0.70	0.0	0.02	0.0	0.0	0.10	0.0	0.0
13	0.06	0.39	0.37	0.0	0.69	0.0	0.10	0.0	0.0	0.0	0.45	0.0
14	0.0	0.0	0.05	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.21	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.68	0.07	0.0	0.0	0.0
16	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.58	0.0	0.11	0.0
17	0.0	0.0	0.0	0.52	0.0	0.05	0.0	0.59	0.33	0.0	0.84	0.0
18	0.0	0.0	0.0	0.23	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.72	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
20	0.0	0.0	0.91	0.0	0.0	1.29	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.34	0.10	0.38	0.0	1.11	0.0	0.0	0.0	0.05	0.0
23	0.0	0.0	0.14	0.11	0.05	0.0	0.57	0.0	0.0	0.06	0.29	0.0
24	0.02	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.06	0.0	0.55	0.0	0.0	0.0	0.0	1.07	0.0	0.60	0.0	0.0
26	0.05	0.0	0.45	0.0	0.0	0.0	0.77	0.06	0.0	0.0	0.42	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.68	0.0	0.0	0.18	0.0
28	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40
30	0.04		0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.10	0.44
31	0.0		0.0		0.0		0.0	0.0		0.0		0.74
TOTAL	0.88	0.46	3.77	3.55	4.25	2.29	5.40	7.07	1.98	1.70	2.90	2.73
STA AV	1.68	1.90	2.92	3.55	3.74	4.31	4.37	3.58	3.04	2.92	2.16	2.36

Gaging: Data are from the R-1 gage.
Station Averages: 30 yr beginning 1949 (part-year records included).

1979 DAILY PRECIPITATION (INCHES) MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IA

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.10	0.0	0.0	0.0	0.0	1.14	0.0	0.19	0.0	0.0
2	0.0	0.06	0.0	0.72	0.83	0.0	0.0	0.0	0.0	0.02	0.0	0.0
3	0.0	0.03	0.16	0.0	0.0	0.0	1.58	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	1.84	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0
5	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.04	0.0	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0
8	0.03	0.18	0.0	0.02	0.0	0.38	0.05	0.0	0.0	0.0	0.01	0.0
9	0.0	0.07	0.50	0.0	0.0	0.04	0.0	0.0	0.0	0.08	0.42	0.0
10	0.0	0.0	0.0	5.20	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.04	0.0	0.0	0.0	0.11	0.04	0.0	0.0	0.0	0.03	0.0	0.0
13	0.49	0.0	0.0	0.0	0.17	0.0	0.39	0.0	0.0	0.0	0.0	0.0
14	0.31	0.0	0.0	0.0	0.0	0.0	1.26	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.61	0.0	0.0	0.0	0.0
19	0.18	0.07	1.13	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0
20	0.06	0.10	0.0	0.0	0.0	0.04	0.0	0.17	0.0	0.0	0.0	0.0
21	0.0	0.42	0.0	1.94	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0
22	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.65	0.19	0.25
23	0.08	0.0	0.79	0.0	0.0	0.03	0.25	0.14	0.0	0.0	0.0	0.44
24	0.56	0.0	0.48	0.81	0.0	0.0	1.92	0.0	0.0	0.0	0.0	0.79
25	0.01	0.0	0.0	0.0	0.0	0.0	2.03	0.0	0.0	0.0	1.17	0.0
26	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.38	0.0
27	0.22	0.0	0.0	0.17	0.0	0.0	1.13	0.0	0.0	0.0	0.0	0.0
28	0.0	0.05	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.30	0.0	0.0	0.19	0.0	0.0	0.39	0.0	0.0	0.0
30	0.0		0.05	0.0	0.0	0.0	0.79	0.0	0.0	0.0	0.0	0.0
31	0.0		0.04		0.0		1.06	0.0		0.18		0.0
TOTAL	2.19	1.11	5.79	9.32	1.34	0.93	10.58	2.91	0.39	1.53	2.49	1.48
STA AV	1.70	1.86	3.06	3.84	3.62	4.14	4.68	3.55	2.92	2.85	2.17	2.32

Gaging: Data are from the R-1 gage.
Station Averages: 31 yr beginning 1949 (part-year records included).

1978 MEAN DAILY DISCHARGE (CFS) MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IA

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.028	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.016	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.034	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.001	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.196	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.873	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.603	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
26	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0	0.0540	0.0	0.0005	0.0	0.0	0.0020	0.0	0.0	0.0	0.0
INCHES	0.0	0.0	0.486	0.0	0.005	0.0	0.0	0.018	0.000	0.0	0.0	0.0
STA AV	0.159	0.243	0.101	0.147	0.104	0.428	0.193	0.135	0.002	0.134	0.004	0.188

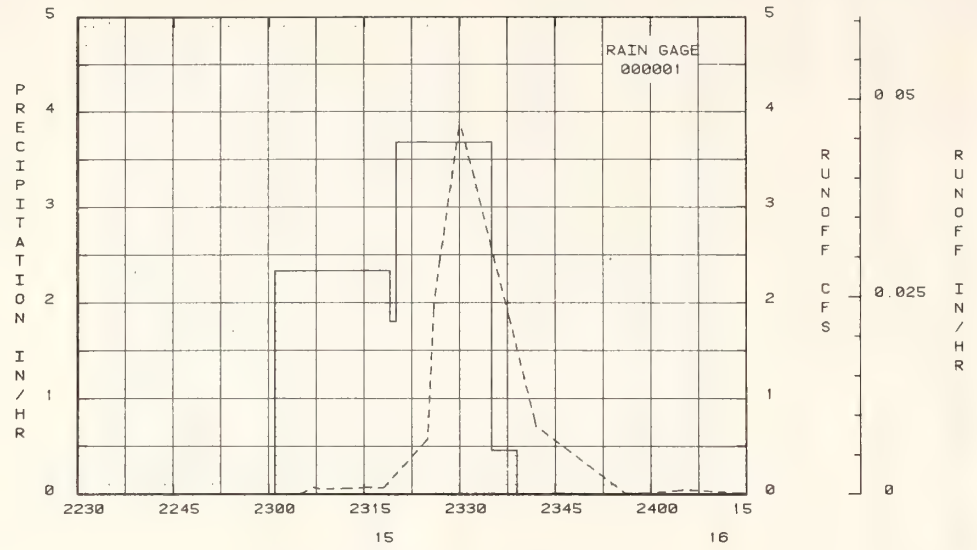
Station Averages: 30 yr beginning 1949 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 0.290264.

1979	MEAN DAILY DISCHARGE (CFS)					MONTICELLO, ILLINOIS (ALLERTON)		WATERSHED IA				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.549	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	6.621	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.354	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.287	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.629	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.151	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.014	0.160	0.0	0.0	0.047	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.880	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0	0.2412	0.0263	0.0	0.0	0.0295	0.0177	0.0	0.0	0.0	0.0
INCHES	0.0	0.0	2.170	0.229	0.0	0.0	0.265	0.159	0.0	0.0	0.0	0.0
STA AV	0.151	0.231	0.295	0.151	0.098	0.407	0.197	0.136	0.002	0.128	0.004	0.179

Station Averages: 31 yr beginning 1949 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 0.290264.

1978	SELECTED RUNOFF EVENT				MONTICELLO, ILLINOIS (ALLERTON)			WATERSHED IA			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF AUGUST 15 - 16, 1978						
RG 000001				RG 000001						
8-15	0.0	0.0	8-15	2301	0.0	0.0	8-15	2305	0.0	0.0
				2319	2.3334	0.70		2307	0.072	0.0000
				2320	1.7999	0.73		2308	0.053	0.0000
				2335	3.6800	1.65		2312	0.065	0.0001
				2339	0.4500	1.68		2315	0.069	0.0001
WATERSHED CONDITIONS:										
3.8% roads, 14.7% permanent								2318	0.064	0.0001
pasture, remainder in								2325	0.585	0.0006
cropping activities.								2326	2.003	0.0009
								2327	2.492	0.0013
								2330	3.893	0.0032
								2332	3.384	0.0047
								2335	2.557	0.0065
								2338	1.785	0.0078
								2342	0.697	0.0088
								2356	0.0	0.0098
								2357	0.0	0.0098
								2400	0.013	0.0098
							8-16	5	0.035	0.0098

Conversion Factor: CFS to IN/HR, multiply by 0.0120943.



EVENT OF AUGUST 15 - 16, 1978

MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IA

1979 SELECTED RUNOFF EVENT MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IA

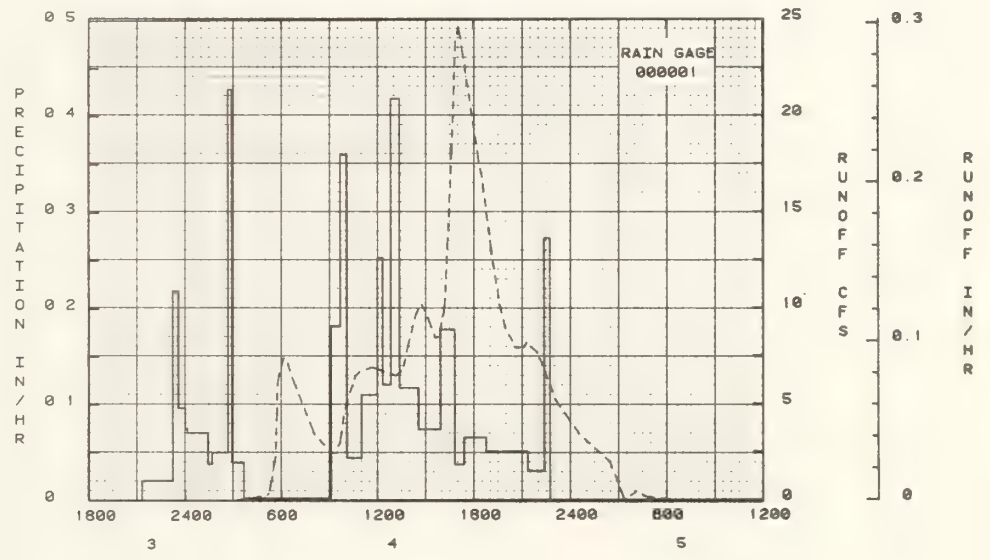
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 3 - 5, 1979							
RG 000001			RG 000001							
3- 3	0.0		3- 3	2118	0.0	0.0	3- 4	219	0.0	0.0
3- 4		0.0		2313	0.0209	0.04		244	0.007	0.0000
				2335	0.2182	0.12		311	0.016	0.0001
				2400	0.0960	0.16		419	0.160	0.0013
			3- 4	8	0.0750	0.17		444	0.227	0.0023
WATERSHED CONDITIONS:										
3.8% roads, 14.7% permanent				125	0.0701	0.26		509	0.294	0.0036
pasture, remainder in				141	0.0375	0.27		513	0.366	0.0038
cropping activities.				241	0.0500	0.32		517	0.555	0.0042
				255	0.4286	0.42		526	1.257	0.0059
				341	0.0391	0.45		539	2.301	0.0105
				907	0.0018	0.46		544	4.476	0.0139
				940	0.1818	0.56		546	6.117	0.0161
				1005	0.3600	0.71		554	6.643	0.0264
				1100	0.0436	0.75		609	7.441	0.0477
				1200	0.1100	0.86		624	7.117	0.0697
				1219	0.2526	0.94		647	6.168	0.1005
				1249	0.1200	1.00		805	3.409	0.1758
				1322	0.4182	1.23		908	2.457	0.2130
				1434	0.1167	1.37		923	2.495	0.2205
				1556	0.0732	1.47		938	2.950	0.2287
				1650	0.1778	1.63		946	3.617	0.2340
				1723	0.0364	1.65		953	4.395	0.2397
				1846	0.0651	1.74		1008	5.269	0.2543
				2122	0.0500	1.87		1038	6.510	0.2899
				2222	0.0300	1.90		1053	6.708	0.3099
				2244	0.2727	2.00		1138	6.932	0.3717
								1223	6.684	0.4335
								1308	6.467	0.4931
								1328	6.720	0.5197
								1338	7.000	0.5335

Conversion Factor: CFS to IN/HR, multiply by 0.0120943.

1979 SELECTED RUNOFF EVENT — MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IA

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF MARCH 3 - 5, 1979 (CONTINUED)										
							3- 4	1353	8.014	0.5562
								1423	9.657	0.6097
								1433	9.933	0.6294
								1445	10.205	0.6538
								1458	9.851	0.6800
								1523	8.960	0.7274
								1538	8.436	0.7537
								1548	8.503	0.7708
								1608	9.720	0.8075
								1613	10.464	0.8177
								1623	13.268	0.8416
								1638	18.145	0.8892
								1653	23.914	0.9527
								1704	24.631	1.0066
								1713	24.010	1.0507
								1723	22.967	1.0981
								1820	17.611	1.3313
								1832	16.787	1.3729
								1908	12.771	1.4801
								1938	10.101	1.5493
								1958	8.951	1.5877
								2037	7.903	1.6539
								2052	7.923	1.6779
								2107	7.942	1.7019
								2117	8.203	1.7181
								2137	7.903	1.7506
								2158	7.633	1.7835
								2207	7.352	1.7971
								2307	5.135	1.8726
								2400	4.068	1.9217
							3- 5	32	3.423	1.9459
								227	1.972	2.0084
								322	0.0	2.0198
								407	0.443	2.0214
								446	0.120	2.0236
								608	0.0	2.0246

Conversion Factor: CFS to IN/HR, multiply by 0.0120943.



EVENT OF MARCH 3 - 5, 1979

MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IA

LOCATION: Piatt Co., Il; 5 mi. SW of Monticello, Sangamon River, Illinois River, Mississippi River basin. Lat. 39 deg. 59 min. 42 sec. N.: Long. 88 deg. 38 min. 45 sec. W.

AREA: 45.50 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IB

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	0.88	0.46	3.77	3.55	4.25	2.29	5.40	7.07	1.98	1.70	2.90	2.73	36.98
1978	Q	0.000	0.0	0.123	0.003	0.015	0.0	0.0	0.014	0.000	0.0	0.0	0.0	0.156
	P	2.18	1.11	5.79	9.32	1.34	0.93	10.58	2.91	0.39	1.53	2.49	1.48	40.05
1979	Q	0.0	0.0	0.212	0.079	0.007	0.0	0.000	0.0	0.0	0.0	0.0	0.0	0.298
STA AV	P	1.70	1.86	3.06	3.84	3.62	4.14	4.68	3.55	2.92	2.85	2.17	2.32	36.71
	Q	0.118	0.250	0.170	0.280	0.167	0.345	0.149	0.100	0.002	0.156	0.010	0.071	1.815

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	8- 2	0.029	3-26	0.014	3-26	0.025	3-26	0.059	3-25	0.073	3-25	0.073	3-24	0.075	3-18	0.123
1979	4-21	0.045	4-21	0.038	4-21	0.059	4-21	0.079	3-23	0.104	3-23	0.122	3-23	0.122	3-16	0.209
MAXIMUMS FOR PERIOD OF RECORD																
	6- 6 1973	1.212	6- 6 1973	0.673	6- 6 1973	1.233	6- 6 1973	1.799	6- 6 1973	2.029	6- 6 1973	2.039	6- 5 1973	2.040	5-14 1974	2.381

Watershed Conditions: 99% cropping activities; 1% grass.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1974, USDA Misc. Pub. 1437, p. 61.001-23.
Precipitation: Records began August 1949. Data from R-1 gage, located about 300 ft. west of streamgaging station IE.
Runoff: Records began August 1949.
Long-Term Precipitation: National Weather Service records at Decatur, Illinois.

1978 DAILY PRECIPITATION (INCHES) MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IB

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.10	0.0	0.0	0.0	0.0	0.0	1.07	0.45	0.0	0.0	0.0	0.33
2	0.0	0.0	0.09	0.0	0.0	0.20	0.94	2.24	0.0	0.14	0.0	0.0
3	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.0	0.0
4	0.0	0.01	0.0	0.63	0.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.05	0.0	0.0	0.10	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.06	0.0	0.0	0.21	0.09	0.0	0.0	0.11	0.0	0.0	0.25	0.70
7	0.07	0.0	0.23	0.0	0.74	0.24	0.0	0.04	0.0	0.0	0.0	0.05
8	0.0	0.0	0.13	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
9	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.53	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0
11	0.0	0.0	0.13	0.0	0.49	0.0	0.0	0.0	0.0	0.14	0.0	0.0
12	0.09	0.0	0.0	0.0	0.70	0.0	0.02	0.0	0.0	0.10	0.0	0.0
13	0.06	0.39	0.37	0.0	0.69	0.0	0.10	0.0	0.0	0.0	0.45	0.0
14	0.0	0.0	0.05	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.21	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.68	0.07	0.0	0.0	0.0
16	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.58	0.0	0.11	0.0
17	0.0	0.0	0.0	0.52	0.0	0.05	0.0	0.59	0.33	0.0	0.84	0.0
18	0.0	0.0	0.0	0.23	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.72	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
20	0.0	0.0	0.91	0.0	0.0	1.29	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.34	0.10	0.38	0.0	1.11	0.0	0.0	0.0	0.05	0.0
23	0.0	0.0	0.14	0.11	0.05	0.0	0.57	0.0	0.0	0.06	0.29	0.0
24	0.02	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.06	0.0	0.55	0.0	0.0	0.0	0.0	1.07	0.0	0.60	0.0	0.0
26	0.05	0.0	0.45	0.0	0.0	0.0	0.77	0.06	0.0	0.0	0.42	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.68	0.0	0.0	0.18	0.0
28	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40
30	0.04		0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.10	0.44
31	0.0		0.0		0.0		0.0	0.0		0.0		0.74
TOTAL	0.88	0.46	3.77	3.55	4.25	2.29	5.40	7.07	1.98	1.70	2.90	2.73
STA AV	1.68	1.90	2.92	3.55	3.74	4.31	4.37	3.58	3.04	2.92	2.16	2.36

Gaging: Data are from the R-1 gage.
Station Averages: 30 yr beginning 1949 (part-year records included).

1979 DAILY PRECIPITATION (INCHES) MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IB

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.10	0.0	0.0	0.0	0.0	1.14	0.0	0.19	0.0	[illegible]
2	0.0	0.06	0.0	0.72	0.83	0.0	0.0	0.0	0.0	0.02	[illegible]	[illegible]
3	0.0	0.03	0.16	0.0	0.0	0.0	1.58	0.0	0.0	0.0	0.0	[illegible]
4	0.0	0.0	1.84	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	[illegible]
5	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
6	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.04	0.0	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0
8	0.03	0.18	0.0	0.02	0.0	0.38	0.05	0.0	0.0	0.0	0.01	[illegible]
9	0.0	0.07	0.50	0.0	0.0	0.04	0.0	0.0	0.0	0.08	0.42	[illegible]
10	0.0	0.0	0.0	5.20	0.0	0.21	0.0	0.0	0.0	0.0	0.0	[illegible]
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
12	0.04	0.0	0.0	0.0	0.11	0.04	0.0	0.0	0.0	0.03	0.0	[illegible]
13	0.49	0.0	0.0	0.0	0.17	0.0	0.39	0.0	0.0	0.0	0.0	0.0
14	0.31	0.0	0.0	0.0	0.0	0.0	1.26	0.0	0.0	0.0	0.0	[illegible]
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
16	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.0	[illegible]
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
18	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.61	0.0	0.0	0.0	[illegible]
19	0.18	0.07	1.13	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	[illegible]
20	0.06	0.10	0.0	0.0	0.0	0.04	0.0	0.17	0.0	0.0	0.0	[illegible]
21	0.0	0.42	0.0	1.94	0.0	0.0	0.0	0.0	0.0	0.0	0.18	[illegible]
22	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.65	0.19	[illegible]
23	0.08	0.0	0.79	0.0	0.0	0.03	0.25	0.14	0.0	0.0	0.0	[illegible]
24	0.56	0.0	0.48	0.81	0.0	0.0	1.92	0.0	0.0	0.0	0.0	[illegible]
25	0.01	0.0	0.0	0.0	0.0	0.0	2.03	0.0	0.0	0.0	1.17	[illegible]
26	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.38	[illegible]
27	0.22	0.0	0.0	0.17	0.0	0.0	1.13	0.0	0.0	0.0	0.0	[illegible]
28	0.0	0.05	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
29	0.0		0.30	0.0	0.0	0.19	0.0	0.0	0.39	0.0	0.0	[illegible]
30	0.0		0.05	0.0	0.0	0.0	0.79	0.0	0.0	0.0	0.0	[illegible]
31	0.0		0.04		0.0		1.06	0.0		0.18		[illegible]
TOTAL	2.18	1.11	5.79	9.32	1.34	0.93	10.58	2.91	0.39	1.53	2.49	1.46
STA AV	1.70	1.86	3.06	3.62	4.14	4.68	3.55	2.92	2.85	2.17	2.32	[illegible]

Gaging: Data are from the R-1 gage.
Station Averages: 31 yr beginning 1949 (part-year records included).

1978 MEAN DAILY DISCHARGE (CFS) MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IB

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.015	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.001	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.026	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.008	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.042	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.048	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.004	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0
26	0.0	0.0	0.138	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.002	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0	0.0076	0.0002	0.0009	0.0	0.0	0.0009	0.0	0.0	0.0	0.0
INCHES	0.000	0.0	0.123	0.003	0.015	0.0	0.0	0.014	0.000	0.0	0.0	0.0
STA AV	0.124	0.263	0.168	0.290	0.175	0.363	0.156	0.105	0.002	0.163	0.010	0.074

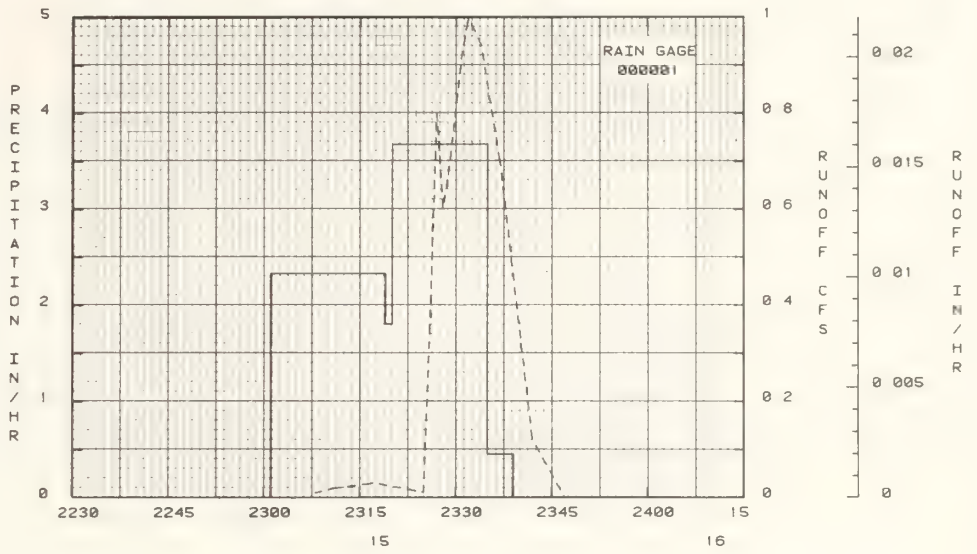
Station Averages: 30 yr beginning 1949 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 0.523113.

1979	MEAN DAILY DISCHARGE (CFS)				MONTICELLO, ILLINOIS (ALLERTON)		WATERSHED IE					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0 T	0.0	0.0	0.007	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.151	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.146	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.087	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0	0.0131	0.0050	0.0009	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.0	0.0	0.212	0.079	0.007	0.0	0.000	0.0	0.0	0.0	0.0	0.0
STA AV	0.118	0.250	0.170	0.280	0.167	0.345	0.149	0.100	0.002	0.156	0.010	0.071

Station Averages: 31 yr beginning 1949 (part-year records included).
Conversion Factor: CFS to IN/DAY, multiply by 0.523113.

1978	SELECTED RUNOFF EVENT			MONTICELLO, ILLINOIS (ALLERTON)			WATERSHED IE			
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF AUGUST 15 - 16, 1978							
RG 000001			RG 000001							
8-15	0.0	0.0	8-15	2301	0.0	0.0	8-15	2308	0.007	0.0
				2319	2.3334	0.70		2311	0.024	0.0000
				2320	1.7999	0.73		2317	0.031	0.0001
				2335	3.6800	1.65		2325	0.013	0.0001
				2339	0.4500	1.68		2326	0.363	0.0002
WATERSHED CONDITIONS:								2327	0.797	0.0004
The area is used for cropping activities except for 1% in grass.								2328	0.604	0.0007
								2329	0.687	0.0009
								2331	0.927	0.0015
								2332	1.001	0.0018
								2333	0.967	0.0022
								2334	0.945	0.0026
								2337	0.693	0.0034
								2342	0.120	0.0042
								2347	0.0	0.0043

Conversion Factor: CFS to IN/HR, multiply by 0.021796.



EVENT OF AUGUST 15 - 16, 1978

MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IB

1979 SELECTED RUNOFF EVENT — MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IE

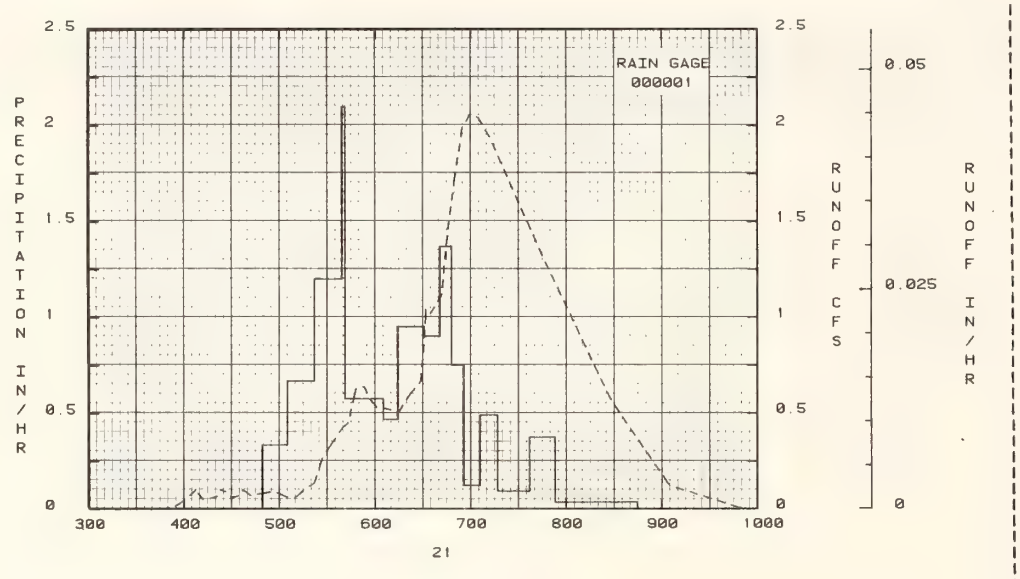
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 21, 1979							
RG 000001			RG 000001							
4-21	0.0	0.0	4-21	449	0.0	0.0	4-21	315	0.0	0.0
				505	0.3375	0.09		330	0.004	0.0000
				522	0.6706	0.28		340	0.005	0.0000
				539	1.2000	0.62		350	0.008	0.0001
				541	2.1000	0.69		355	0.022	0.0001
WATERSHED CONDITIONS:										
The area is used for cropping activities except for 1% in grass.				605	0.5750	0.92		400	0.050	0.0001
				614	0.4667	0.99		407	0.104	0.0003
				631	0.9529	1.26		409	0.077	0.0004
				641	0.9000	1.41		412	0.048	0.0005
				648	1.3714	1.57		421	0.073	0.0007
				656	0.7500	1.67		423	0.058	0.0007
				706	0.1200	1.69		426	0.089	0.0008
				717	0.4909	1.78		430	0.056	0.0010
				737	0.0900	1.81		434	0.071	0.0010
				753	0.3750	1.91		437	0.101	0.0011
				845	0.0346	1.94		442	0.066	0.0013
								446	0.076	0.0014
								454	0.090	0.0016
								500	0.080	0.0018
								505	0.060	0.0019
								510	0.064	0.0021
								515	0.103	0.0022
								522	0.139	0.0025
								527	0.272	0.0029
								530	0.312	0.0032
								535	0.369	0.0038
								540	0.432	0.0046
								543	0.446	0.0050
								548	0.629	0.0060
								553	0.638	0.0072

Conversion Factor: CFS to IN/HR, multiply by 0.021796.

1979 SELECTED RUNOFF EVENT — MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IB

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF APRIL 21, 1979 (CONTINUED)										
							4-21	557	0.571	0.0080
								601	0.533	0.0088
								615	0.508	0.0115
								622	0.601	0.0129
								629	0.667	0.0145
								632	1.036	0.0154
								635	1.020	0.0166
								642	1.119	0.0193
								645	1.389	0.0207
								650	1.715	0.0235
								655	1.988	0.0268
								700	2.060	0.0305
								705	2.044	0.0342
								712	1.935	0.0393
								745	1.320	0.0588
								828	0.566	0.0735
								905	0.117	0.0781
								950	0.0	0.0791

Conversion Factor: CFS to IN/HR, multiply by 0.021796.



EVENT OF APRIL 21, 1979

MONTICELLO, ILLINOIS (ALLERTON) WATERSHED IB

LOCATION: Owyhee County, Idaho; about 24 miles southeast of Nampa; north flowing tributary to the Snake River. Lat. 43 deg. 15 min. 45 sec. N.; Long. 116 deg. 45 min. 10 sec. W.

AREA: 57780.21 acres 90.30 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — REYNOLDS, IDAHO WATERSHED W-1 (036068)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	1.56	3.09	1.17	3.48	0.87	1.08	0.31	0.64	0.65	0.06	2.30	1.10	16.31
	Q	0.149	0.261	0.733	0.886	0.828	0.213	0.065	0.031	0.015	0.019	0.034	0.060	3.284
1979	P	2.28	1.58	0.93	1.41	1.50	0.94	0.17	2.03	0.01	1.97	1.21	0.97	15.00
	Q	0.331	0.309	0.387	0.178	0.597	0.102	0.024	0.010	0.014	0.018	0.020	0.038	2.029
STA AV	P	2.51	1.66	1.86	1.64	1.00	1.49	0.45	0.90	0.83	1.45	1.96	2.09	17.84
	Q	0.407	0.267	0.486	0.570	0.634	0.299	0.049	0.022	0.015	0.027	0.047	0.173	2.997

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	4-26	0.010	4-26	0.010	4-26	0.019	4-26	0.051	4-26	0.079	4-26	0.125	4-26	0.231	4-26	0.540
1979	1-11	0.029	1-11	0.028	1-11	0.052	1-11	0.109	1-11	0.155	1-10	0.209	1-10	0.259	1-10	0.284
MAXIMUMS FOR PERIOD OF RECORD																
	12-23 1964	0.065	12-23 1964	0.064	12-23 1964	0.125	12-23 1964	0.270	12-23 1964	0.327	12-23 1964	0.453	12-23 1964	0.721	12-28 1965	1.313

Watershed Conditions: Predominantly sagebrush rangeland, 95%; small stands of forest, 2%; permanent fields of flood irrigated alfalfa, 3%.
Maps: Topographic/Hydrologic (revised) - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1968, USDA Misc. Pub. 1330, page 68.1-6.
Precipitation: Records began 1963. 'Computed Actual' amounts from rain gage 116X91. STA AV values based on 12 yr beginning 1968.
Runoff: Records began 1963. STA AV values based on 17 yr beginning 1963.
Long-Term Precipitation: National Weather Service records at Boise, Idaho; 50 miles N.E. of watershed.

1978 DAILY AIR TEMPERATURE (DEGREES F) — REYNOLDS, IDAHO WATERSHED W-1 (036068)

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	30	8	50	29	43	23	49	37	60	40	69	39	72	49	69	55	82	51	66	40	60	29	41	34
2	30	22	47	36	43	22	49	32	66	40	73	49	69	47	88	56	89	52	67	35	62	37	36	29
3	41	20	54	34	43	32	49	29	57	38	73	46	72	51	92	51	91	69	69	29	68	35	46	24
4	44	28	48	30	44	33	49	34	45	30	78	43	71	49	96	54	85	61	69	38	60	25	56	30
5	47	38	50	41	52	34	50	30	50	30	82	52	73	44	92	67	73	58	71	33	45	22	30	19
6	44	37	52	38	52	32	50	36	56	36	85	52	77	50	93	65	62	53	76	35	52	20	24	14
7	46	28	45	39	55	31	44	36	62	41	83	47	83	49	92	59	55	42	74	40	57	22	20	5
8	40	30	44	36	55	38	55	39	66	36	86	49	75	54	93	59	62	36	72	45	68	32	24	6
9	38	30	45	34	49	33	60	36	74	37	78	55	86	50	95	62	76	43	76	36	40	24	30	15
10	41	34	35	32	51	27	70	38	67	44	58	44	78	56	89	48	61	46	73	43	28	14	29	18
11	48	32	34	29	49	26	62	31	55	34	68	39	76	47	91	57	59	43	73	44	23	17	50	26
12	47	32	38	22	43	31	52	26	64	28	82	55	80	48	90	59	62	41	61	34	34	13	33	17
13	42	30	34	29	49	31	59	27	78	37	80	49	85	51	61	44	67	36	63	27	32	9	34	14
14	48	33	40	28	45	28	57	33	80	56	75	42	92	52	72	45	68	45	69	28	33	8	45	10
15	48	35	35	26	51	23	56	36	66	38	67	39	95	58	86	42	73	39	70	32	33	6	38	12
16	46	35	38	21	59	25	43	32	54	35	71	39	77	51	66	43	62	35	69	44	36	23	30	9
17	48	38	36	24	71	30	51	30	60	34	77	39	76	46	65	39	54	33	70	37	48	19	36	24
18	44	25	42	22	65	40	59	27	60	45	69	51	81	49	72	39	47	38	66	36	49	26	34	17
19	40	34	50	38	69	34	67	34	68	46	72	45	80	52	83	42	58	32	68	34	54	32	30	15
20	44	34	51	31	67	33	46	32	74	41	77	41	79	52	86	43	63	29	70	46	51	36	37	26
21	49	31	46	26	66	32	47	30	79	43	83	45	82	51	80	46	64	30	57	32	46	35	41	32
22	39	30	39	32	60	38	50	28	60	41	86	45	90	48	70	46	77	38	67	19	44	34	39	33
23	35	26	40	30	59	38	55	28	53	36	84	52	102	51	75	37	77	42	64	25	46	23	43	30
24	42	24	43	30	55	33	66	39	49	33	74	41	98	60	83	46	82	42	64	33	39	20	46	28
25	45	30	52	30	63	30	64	47	53	31	61	42	93	62	75	47	85	45	56	25	35	21	35	14
26	43	30	42	30	69	34	52	43	62	31	73	44	96	60	70	47	87	47	60	21	42	22	34	11
27	46	25	42	24	68	37	48	42	71	48	81	45	89	63	73	44	81	46	69	27	41	14	42	20
28	42	26	53	22	71	37	55	35	75	44	83	53	95	60	79	44	77	40	66	28	49	30	25	4
29	43	23			77	37	57	39	61	41	79	56	91	62	82	47	72	39	46	25	46	34	12	-6
30	39	23			65	42	60	34	59	36	77	49	95	55	86	53	81	38	44	22	46	38	14	-10
31	44	27			60	36			65	35			88	60	82	53			56	17			13	-13
AV.	43	29	44	30	57	32	54	34	63	38	76	46	84	53	82	50	71	43	66	33	46	24	34	16
MEAN	36.0		37.0		44.7		44.2		50.6		61.2		68.3		65.9		57.1		49.3		34.8		25.1	
STA AV	37	21	45	26	49	26	55	29	66	39	75	47	86	52	84	51	73	43	61	33	48	27	38	23

Station Averages: 16 yr beginning 1963.
Notes: Temperature data taken from hygrothermograph record at station 076X59.

1979 DAILY AIR TEMPERATURE (DEGREES F) — REYNOLDS, IDAHO WATERSHED W-1 (036068)

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	12	-16	17	2	33	23	42	24	60	44	72	37	79	39	92	55	81	43	78	40	46	25	31	14
2	17	-1	23	-3	35	20	42	28	64	42	78	42	68	41	89	53	84	53	73	43	46	23	50	26
3	22	4	32	18	33	18	46	25	69	36	85	45	83	42	91	54	80	54	73	41	46	35	52	42
4	21	8	35	17	44	28	57	28	71	48	84	48	79	51	96	48	70	45	76	34	48	37	58	33
5	21	-5	40	23	49	29	64	27	59	38	83	50	85	52	92	59	80	43	82	40	51	33	42	32
6	18	-12	44	34	57	33	49	38	50	32	63	41	88	49	86	49	81	48	81	45	50	30	48	32
7	21	-9	43	31	53	28	52	37	44	36	59	39	82	58	89	50	88	48	80	46	51	26	46	30
8	23	-3	44	29	46	26	65	26	41	32	66	37	85	56	83	57	88	56	74	49	52	23	48	25
9	22	-8	48	30	44	22	48	32	51	36	80	36	93	45	89	49	68	42	76	37	46	26	54	24
10	40	15	49	29	52	19	44	29	58	32	86	46	77	51	93	53	68	41	74	33	52	27	48	16
11	50	32	50	39	55	23	46	31	62	34	92	50	77	55	90	60	70	38	76	39	50	24	32	15
12	39	26	52	37	60	30	51	28	72	34	93	52	80	49	77	62	73	38	74	43	50	18	41	19
13	37	24	53	38	55	26	54	28	68	39	76	48	77	46	67	55	78	36	74	38	45	18	44	17
14	35	25	40	29	57	27	60	24	78	37	68	44	79	46	73	52	79	48	68	43	48	15	55	21
15	39	21	40	28	58	28	63	33	83	43	72	37	96	51	76	48	83	39	60	33	52	21	57	27
16	34	16	39	24	42	32	65	36	69	48	68	38	95	51	78	50	85	43	61	31	52	24	48	20
17	31	12	43	31	47	28	48	33	70	40	49	43	99	59	79	50	83	46	57	34	49	28	54	24
18	32	12	42	34	48	23	42	28	72	41	55	42	95	59	75	51	85	43	55	35	36	26	57	24
19	39	13	40	28	54	25	48	23	70	41	70	42	93	63	89	46	84	54	52	36	36	20	51	24
20	39	22	36	24	48	25	54	26	77	39	75	40	94	64	78	47	83	48	52	36	37	18	47	29
21	43	20	42	26	50	26	62	27	78	46	76	48	83	69	71	53	85	44	50	35	40	15	44	30
22	29	16	42	28	53	24	64	39	83	46	76	45	85	65	83	48	80	49	48	34	35	14	33	13
23	29	13	40	30	56	26	58	32	77	57	80	50	90	60	80	52	79	43	53	38	36	26	31	10
24	23	14	40	31	61	32	53	37	70	45	91	45	93	52	73	59	80	42	62	38	45	28	37	28
25	27	16	49	29	56	33	57	32	76	48	89	50	93	52	76	45	69	49	65	42	36	26	45	31
26	28	10	39	28	54	38	61	28	86	44	87	50	90	52	89	50	69	46	55	33	32	20	40	20
27	31	6	45	29	52	39	56	36	66	46	83	53	94	58	75	54	75	41	54	28	32	10	31	16
28	22	0	42	28	54	32	60	33	57	37	91	48	87	56	67	52	74	43	48	35	26	6	33	16
29	20	-2			49	26	65	32	57	35	91	61	84	52	86	51	77	40	45	27	32	8	31	14
30	16	-4			42	26	65	38	62	37	72	48	89	51	68	50	73	40	48	26	28	8	37	13
31	17	-4			42	24			66	33			90	54	72	58			42	26			49	24
AV.	28	5	41	27	50	27	55	31	67	40	77	45	87	53	81	52	78	45	63	37	43	22	44	23
MEAN	18.5		34.0		38.4		42.7		53.5		61.1		69.9		66.9		61.6		50.1		32.4		33.6	
STA AV	36	20	45	26	49	26	55	29	66	39	75	47	86	52	84	51	73	43	61	33	48	27	38	23

Station Averages: 17 yr beginning 1963.
Notes: Temperature data taken from hygrothermograph record at station 076X59.

1978 DAILY PRECIPITATION (INCHES) — REYNOLDS, IDAHO WATERSHED W-1 (036068)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.44	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.03
2	0.0	0.15	0.0	0.01	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
3	0.05	0.42	0.12	0.01	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01
4	0.0	0.0	0.08	0.25	0.07	0.0	0.07	0.0	0.03	0.0	0.0	0.52
5	0.09	0.09	0.43	0.01	0.0	0.0	0.03	0.01	0.08	0.0	0.0	0.05
6	0.11	0.06	0.0	0.21	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0
7	0.0	0.29	0.0	0.06	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0
8	0.01	0.0	0.02	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.42	0.0
9	0.26	0.25	0.0	0.0	0.27	0.0	0.0	0.0	0.04	0.0	0.01	0.0
10	0.12	0.93	0.0	0.0	0.02	0.47	0.0	0.0	0.0	0.0	0.0	0.0
11	0.16	0.35	0.26	0.0	0.09	0.0	0.0	0.0	0.02	0.0	0.36	0.14
12	0.12	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.07	0.03	0.01	0.0	0.0	0.0	0.28	0.01	0.0	0.0	0.0
14	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.29	0.28	0.0	0.24	0.09	0.0	0.0	0.24	0.0	0.0	0.0	0.0
16	0.09	0.0	0.0	0.29	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0
17	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
18	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.04	0.0	0.0	0.04
19	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
20	0.0	0.0	0.0	0.18	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
21	0.02	0.0	0.0	0.06	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
22	0.01	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
23	0.0	0.0	0.15	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.15	0.38	0.0	0.0	0.0	0.0	0.0	0.0
25	0.04	0.0	0.0	0.24	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
26	0.02	0.10	0.0	1.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.06	0.0	0.32	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.25	0.06
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.42	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.83	0.0
31	0.0		0.07		0.0		0.0	0.0		0.0		0.09
TOTAL	1.56	3.09	1.17	3.48	0.87	1.08	0.31	0.64	0.65	0.06	2.30	1.10
STA AV	2.53	1.67	1.94	1.66	0.95	1.54	0.47	0.79	0.90	1.41	2.03	2.19

Gaging: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded). 'Actual' amounts were computed as per relationship developed by W. R. Hamon, "Computing Actual Precipitation", Proceedings of WMO-IAHS Symposium, Geilo, Norway, August, 1972. The equation used is: loge (U/A) = loge (U/S) x 1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.
Station Averages: 11 yr beginning 1968.

1978	DAILY PRECIPITATION (INCHES)						REYNOLDS, IDAHO WATERSHED W-1 (036068)					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.37	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.03
2	0.0	0.12	0.0	0.01	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
3	0.05	0.35	0.12	0.01	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01
4	0.0	0.0	0.08	0.21	0.04	0.0	0.07	0.0	0.03	0.0	0.0	0.43
5	0.08	0.07	0.40	0.01	0.0	0.0	0.03	0.01	0.08	0.0	0.0	0.04
6	0.09	0.05	0.0	0.18	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0
7	0.0	0.23	0.0	0.05	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0
8	0.01	0.0	0.02	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.39	0.0
9	0.21	0.19	0.0	0.0	0.16	0.0	0.0	0.0	0.04	0.0	0.01	0.0
10	0.11	0.47	0.0	0.0	0.01	0.45	0.0	0.0	0.0	0.0	0.0	0.0
11	0.12	0.18	0.24	0.0	0.08	0.0	0.0	0.0	0.02	0.0	0.06	0.07
12	0.10	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.04	0.03	0.01	0.0	0.0	0.0	0.22	0.01	0.0	0.0	0.0
14	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.21	0.16	0.0	0.22	0.08	0.0	0.0	0.20	0.0	0.0	0.0	0.0
16	0.07	0.0	0.0	0.26	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
17	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
18	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.04	0.0	0.0	0.03
19	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
20	0.0	0.0	0.0	0.13	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
21	0.02	0.0	0.0	0.04	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
22	0.01	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
23	0.0	0.0	0.12	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.09	0.32	0.0	0.0	0.0	0.0	0.0	0.0
25	0.04	0.0	0.0	0.24	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
26	0.02	0.05	0.0	1.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.03	0.0	0.32	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.23	0.03
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.41	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.83	0.0
31	0.0		0.06		0.0		0.0	0.0		0.0		0.05
TOTAL	1.28	1.96	1.08	3.19	0.61	0.89	0.31	0.52	0.65	0.06	1.94	0.82
STA AV												

Gaging: Values are amounts from unshielded recording gage 116491.
Station Averages: Not applicable to unshielded rain gage records.

1978	DAILY PRECIPITATION (INCHES)						REYNOLDS, IDAHO WATERSHED W-1 (036068)					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.39	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.03
2	0.0	0.14	0.0	0.01	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
3	0.05	0.39	0.12	0.01	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01
4	0.0	0.0	0.08	0.22	0.05	0.0	0.07	0.0	0.03	0.0	0.0	0.49
5	0.08	0.07	0.40	0.01	0.0	0.0	0.03	0.01	0.08	0.0	0.0	0.04
6	0.10	0.06	0.0	0.19	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0
7	0.0	0.26	0.0	0.05	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0
8	0.01	0.0	0.02	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.40	0.0
9	0.22	0.20	0.0	0.0	0.20	0.0	0.0	0.0	0.04	0.0	0.01	0.0
10	0.11	0.68	0.0	0.0	0.01	0.46	0.0	0.0	0.0	0.0	0.0	0.0
11	0.14	0.28	0.25	0.0	0.08	0.0	0.0	0.0	0.02	0.0	0.16	0.08
12	0.11	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.05	0.03	0.01	0.0	0.0	0.0	0.26	0.01	0.0	0.0	0.0
14	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.25	0.21	0.0	0.23	0.08	0.0	0.0	0.21	0.0	0.0	0.0	0.0
16	0.08	0.0	0.0	0.28	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
17	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13
18	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.04	0.0	0.0	0.03
19	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
20	0.0	0.0	0.0	0.16	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
21	0.02	0.0	0.0	0.04	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
22	0.01	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
23	0.0	0.0	0.15	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.10	0.36	0.0	0.0	0.0	0.0	0.0	0.0
25	0.04	0.0	0.0	0.24	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
26	0.02	0.08	0.0	1.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.05	0.0	0.32	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.23	0.04
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.41	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.83	0.0
31	0.0		0.06		0.0		0.0	0.0		0.0		0.07
TOTAL	1.40	2.50	1.12	3.29	0.69	1.00	0.31	0.57	0.65	0.06	2.05	0.94
STA AV												

Gaging: Values are amounts from shielded recording gage 116591.
Station Averages: Not applicable to shielded rain gage records.

1979	DAILY PRECIPITATION (INCHES)						REYNOLDS, IDAHO WATERSHED W-1 (036068)					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.08	0.02	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.01	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26
3	0.01	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
4	0.01	0.01	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.06	0.05
5	0.0	0.01	0.08	0.0	0.39	0.0	0.0	0.0	0.0	0.0	0.01	0.0
6	0.0	0.03	0.0	0.31	0.27	0.01	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.19	0.0	0.0	0.41	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.78	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
11	0.79	0.01	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.02	0.06	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.17	0.0	0.06	0.0	0.0	0.0	1.11	0.0	0.0	0.0	0.0
14	0.25	0.39	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
15	0.02	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
16	0.02	0.07	0.13	0.05	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0
17	0.02	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0
18	0.02	0.0	0.0	0.04	0.0	0.50	0.0	0.09	0.0	0.64	0.10	0.0
19	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.52	0.0	0.0
20	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.02	0.0	0.0
21	0.01	0.07	0.0	0.0	0.0	0.29	0.0	0.12	0.0	0.01	0.0	0.08
22	0.0	0.03	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.09	0.26	0.05
23	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.07
24	0.06	0.03	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.13
25	0.03	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.01	0.21	0.11	0.30
26	0.0	0.21	0.12	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.10	0.0
27	0.04	0.02	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0
28	0.0	0.32	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.19	0.0	0.0
29	0.0		0.01	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
30	0.0		0.01	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0
31	0.0		0.05		0.0		0.0	0.0		0.04		0.01
TOTAL	2.28	1.58	0.93	1.41	1.50	0.94	0.17	2.03	0.01	1.97	1.21	0.97
STA AV	2.51	1.66	1.86	1.64	1.00	1.49	0.45	0.90	0.83	1.45	1.96	2.09

Gaging: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded). 'Actual' amounts were computed as per relationship developed by W. R. Hamon, "Computing Actual Precipitation", Proceedings of WMO-IAHS Symposium, Geilo, Norway, August, 1972. The equation used is: loge (U/A) = loge (U/S) x 1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.
Station Averages: 12 yr beginning 1968.

1979	DAILY PRECIPITATION (INCHES)						REYNOLDS, IDAHO WATERSHED W-1 (036068)					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.04	0.02	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.01	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25
3	0.01	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
4	0.01	0.01	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.06	0.05
5	0.0	0.01	0.04	0.0	0.39	0.0	0.0	0.0	0.0	0.0	0.01	0.0
6	0.0	0.03	0.0	0.28	0.22	0.01	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.14	0.0	0.0	0.36	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
11	0.79	0.01	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.01	0.06	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.14	0.0	0.03	0.0	0.0	0.0	1.11	0.0	0.0	0.0	0.0
14	0.11	0.29	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
15	0.01	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
16	0.01	0.05	0.12	0.03	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0
17	0.02	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0
18	0.02	0.0	0.0	0.04	0.0	0.49	0.0	0.09	0.0	0.64	0.05	0.0
19	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.52	0.0	0.0
20	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.02	0.0	0.0
21	0.01	0.05	0.0	0.0	0.0	0.28	0.0	0.12	0.0	0.01	0.0	0.04
22	0.0	0.01	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.09	0.19	0.03
23	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.04
24	0.06	0.01	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.07
25	0.03	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.01	0.21	0.09	0.17
26	0.0	0.08	0.11	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.08	0.0
27	0.04	0.01	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0
28	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.19	0.0	0.0
29	0.0		0.01	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
30	0.0		0.01	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0
31	0.0		0.05		0.0		0.0	0.0		0.04		0.01
TOTAL	2.04	1.04	0.71	1.13	1.26	0.90	0.13	2.03	0.01	1.97	0.89	0.68
STA AV												

Gaging: Values are amounts from unshielded recording gage 116491.
Station Averages: Not applicable to unshielded rain gage records.

1979	DAILY PRECIPITATION (INCHES)						REYNOLDS, IDAHO WATERSHED #-1 (0[illegible])					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	[illegible]	0.0	[illegible]	0.10	0.1	[illegible]	[illegible]	0.0	0.0	0.0	0.0	[illegible]
2	0.01	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
3	0.01	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
4	[illegible]	0.01	[illegible]	0.0	0.0	0.0	0.15	0.0	0.0	[illegible]	0.06	[illegible]
5	0.0	0.01	0.04	0.0	0.39	0.0	0.0	0.0	0.0	[illegible]	0.01	[illegible]
6	0.0	0.03	0.0	0.28	0.26	0.01	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.01	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.14	0.0	0.0	0.36	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.76	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
11	0.79	0.01	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.02	0.06	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.16	0.0	0.14	0.0	0.0	0.0	1.11	0.0	0.0	0.0	0.0
14	0.19	0.34	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
15	0.02	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
16	0.02	0.05	0.13	0.03	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0
17	0.02	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0
18	0.02	0.0	0.0	0.04	0.0	0.49	0.0	0.09	0.0	0.64	0.06	0.0
19	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.52	0.0	0.0
20	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.02	0.0	0.0
21	0.01	0.07	0.0	0.0	0.0	0.29	0.0	0.12	0.0	0.01	0.0	0.06
22	0.0	0.02	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.09	0.22	0.04
23	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.09
24	0.06	0.02	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.37	0.09
25	0.03	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.01	0.21	0.11	0.24
26	0.0	0.14	0.12	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.09	0.0
27	0.04	0.01	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0
28	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.19	0.0	0.0
29	0.0		0.01	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
30	0.0		0.11	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0
31	0.0		0.05		0.0		0.0	0.0		0.04		0.01
TOTAL	2.17	1.29	0.79	1.20	1.40	0.92	0.15	2.03	0.01	1.97	1.04	0.81
STA AV												

Gaging: Values are amounts from shielded recording gage 116591.
Station Averages: Not applicable to shielded rain gage records.

1978	MEAN DAILY DISCHARGE (CFS)						REYNOLDS, IDAHO WATERSHED #-1 (036066)					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.50	7.48	22.90	81.76	106.63	26.37	7.37	3.82	1.73	1.35	1.97	7.87
2	6.94	7.82	21.06	75.43	99.58	24.87	7.60	4.09	1.53	1.35	1.91	5.02
3	8.24	24.50	22.27	72.30	95.73	25.58	8.56	4.40	1.35	1.41	1.95	3.98
4	6.80	24.55	26.32	66.57	90.02	25.61	8.47	4.16	1.23	1.39	1.95	6.30
5	7.25	19.66	49.11	62.83	81.34	23.96	7.89	3.34	1.09	1.33	1.98	7.85
6	9.19	25.96	59.38	61.95	72.29	20.35	9.59	3.19	0.98	1.20	1.95	9.08
7	8.32	26.49	48.07	57.07	63.02	17.53	9.23	3.00	1.05	1.28	1.98	3.91
8	8.05	27.10	56.32	53.82	54.21	16.83	8.12	2.95	0.92	1.27	2.08	5.62
9	8.86	24.62	62.42	51.59	54.31	15.72	7.86	2.83	0.84	1.20	2.36	6.95
10	9.94	23.54	56.70	48.11	68.50	16.54	7.39	2.41	0.86	1.20	2.70	7.60
11	10.44	20.56	51.71	42.40	67.38	19.44	7.25	2.00	0.83	1.17	2.30	4.89
12	12.49	19.65	46.29	40.91	62.61	19.56	5.43	1.72	0.86	1.17	2.38	4.23
13	11.44	19.17	40.16	40.86	75.73	18.80	3.97	1.98	0.91	1.17	2.19	4.30
14	11.08	17.64	34.49	37.44	97.05	18.05	3.80	2.16	0.95	1.17	2.09	4.67
15	16.12	17.75	31.18	34.23	90.12	17.56	3.55	1.80	0.95	1.20	2.35	4.59
16	15.37	18.87	30.54	47.48	67.44	18.89	3.20	1.91	0.90	1.26	2.54	3.57
17	19.12	18.99	40.88	38.90	59.98	18.39	3.19	1.80	0.99	1.28	2.63	4.55
18	17.00	17.63	55.43	31.93	59.35	17.47	3.16	1.83	1.06	1.26	2.90	4.46
19	15.81	21.27	65.82	27.66	59.96	17.36	3.09	1.88	1.09	1.28	3.03	4.21
20	15.09	29.43	74.48	30.87	62.94	16.08	2.98	2.02	1.14	1.34	2.94	4.10
21	13.84	29.47	70.76	31.59	65.57	17.09	2.80	2.14	1.27	1.47	3.03	4.10
22	12.79	27.96	79.58	29.87	60.21	18.11	2.84	2.19	1.51	1.63	3.13	4.09
23	11.94	27.00	88.47	26.73	56.33	15.85	2.82	1.99	1.49	1.70	3.03	4.16
24	11.75	27.18	77.73	25.77	56.88	13.46	3.04	1.93	1.52	1.73	2.89	4.44
25	11.46	26.52	69.18	28.45	52.45	13.31	3.30	2.01	1.46	1.73	3.15	2.96
26	10.31	29.85	73.83	263.87	45.57	11.65	3.30	2.11	1.40	1.95	3.13	3.45
27	9.22	26.95	83.30	264.55	42.94	10.50	3.08	2.36	1.38	2.02	3.17	4.59
28	8.68	24.84	86.95	196.66	41.78	7.01	3.07	2.02	1.35	2.06	3.76	3.63
29	8.82		87.70	148.80	36.23	6.16	4.16	2.02	1.36	2.10	4.76	3.28
30	7.78		86.73	126.42	32.23	7.27	4.42	1.95	1.38	2.10	5.41	3.80
31	8.12		78.00		29.09		3.90	1.84		2.16		3.20
MEAN	10.862	22.591	57.347	71.561	64.782	17.179	5.111	2.446	1.179	1.482	2.722	4.691
INCHES	0.139	0.261	0.733	0.886	0.828	0.213	0.065	0.031	0.015	0.019	0.034	0.060
STA AV	0.412	0.265	0.492	0.594	0.636	0.311	0.051	0.023	0.015	0.027	0.049	0.182

Station Averages: 16 yr beginning 1963.
Conversion Factor: CFS to IN/DAY, multiply by 0.000413.

1979	MEAN DAILY DISCHARGE (CFS)				REYNOLDS, IDAHO WATERSHED W-1 (036068)							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.99	4.05	9.13	10.51	25.13	20.82	4.31	0.29	0.77	0.85	1.88	1.99
2	1.87	4.05	7.46	10.09	36.04	16.57	4.04	0.12	0.80	0.76	1.98	3.26
3	2.51	4.10	7.81	9.60	42.64	11.43	3.83	0.11	1.21	0.74	1.65	5.94
4	2.67	4.21	9.47	9.41	41.56	9.51	3.31	1.03	1.52	0.74	1.28	4.62
5	2.77	7.84	60.71	8.63	43.81	8.81	2.74	1.49	1.64	0.84	1.23	3.84
6	2.67	26.88	149.00	13.80	48.61	8.43	1.48	1.61	1.64	0.88	1.23	3.52
7	2.80	94.95	116.35	15.86	47.01	8.24	1.26	1.49	1.56	0.87	1.23	3.27
8	2.80	38.56	60.25	14.72	46.37	8.43	1.00	1.63	1.61	0.87	1.23	3.17
9	2.94	31.05	34.75	23.67	52.76	7.33	1.37	1.47	1.67	0.86	1.20	3.61
10	45.89	26.93	27.76	20.79	48.67	7.40	0.94	1.14	1.19	0.95	1.17	4.27
11	506.69	61.19	30.40	19.12	45.55	6.34	1.23	1.55	1.14	0.98	1.17	2.03
12	83.26	30.87	38.28	17.45	41.86	5.85	0.70	0.98	1.09	1.01	1.19	2.59
13	14.75	121.34	38.79	17.20	43.28	5.48	0.64	1.69	1.06	0.94	1.24	2.52
14	11.00	123.93	29.99	16.43	50.26	5.74	1.27	0.71	1.02	0.93	1.29	2.65
15	9.09	30.06	30.99	16.68	57.97	5.32	2.12	0.51	1.01	1.03	1.45	2.72
16	8.23	17.32	35.69	18.15	69.47	5.54	2.97	0.22	0.98	1.11	1.55	2.73
17	6.92	14.26	24.11	16.79	67.53	6.41	3.03	0.16	0.99	1.14	1.63	3.07
18	7.35	13.65	19.81	15.55	64.10	8.81	2.88	0.18	0.99	1.28	1.77	2.89
19	11.92	12.09	18.53	12.51	62.28	9.29	2.46	0.41	0.95	2.23	1.56	2.56
20	8.31	8.81	21.14	12.50	60.05	9.33	2.07	0.44	0.93	2.73	1.11	2.63
21	6.30	9.98	20.25	12.66	56.44	11.76	2.60	0.59	0.93	1.83	1.25	2.67
22	6.91	9.19	17.05	14.03	55.13	10.22	1.71	0.63	0.90	1.72	1.84	2.49
23	4.05	8.66	12.69	15.92	60.06	8.25	2.18	0.66	0.93	1.93	1.89	1.93
24	6.18	8.48	13.45	14.48	51.95	7.47	2.07	0.70	0.95	1.98	2.69	2.90
25	6.16	8.67	15.85	10.19	43.58	6.13	1.33	0.76	1.25	1.87	3.23	3.03
26	6.01	10.25	14.94	8.88	35.99	5.18	2.08	0.68	1.28	2.32	3.09	2.81
27	6.41	9.03	16.83	9.41	33.03	6.12	1.21	0.55	1.09	2.50	2.04	2.37
28	6.49	9.77	17.04	10.15	32.37	5.75	0.63	0.68	0.98	2.54	1.74	2.60
29	6.17		15.35	15.64	30.27	6.28	0.56	0.79	0.96	2.32	1.83	2.22
30	4.62		12.97	21.26	28.38	4.44	0.50	0.87	0.90	1.87	1.66	2.41
31	5.67		11.73		24.85		0.41	0.83		1.80		2.72
MEAN	25.851	26.791	30.275	14.403	46.690	8.222	1.901	0.806	1.132	1.434	1.643	2.967
INCHES	0.331	0.309	0.387	0.178	0.597	0.102	0.024	0.010	0.014	0.018	0.020	0.038
STA AV	0.407	0.267	0.486	0.570	0.634	0.299	0.049	0.022	0.015	0.027	0.047	0.173

Station Averages: 17 yr beginning 1963.
Conversion Factor: CFS to IN/DAY, multiply by 0.000413.

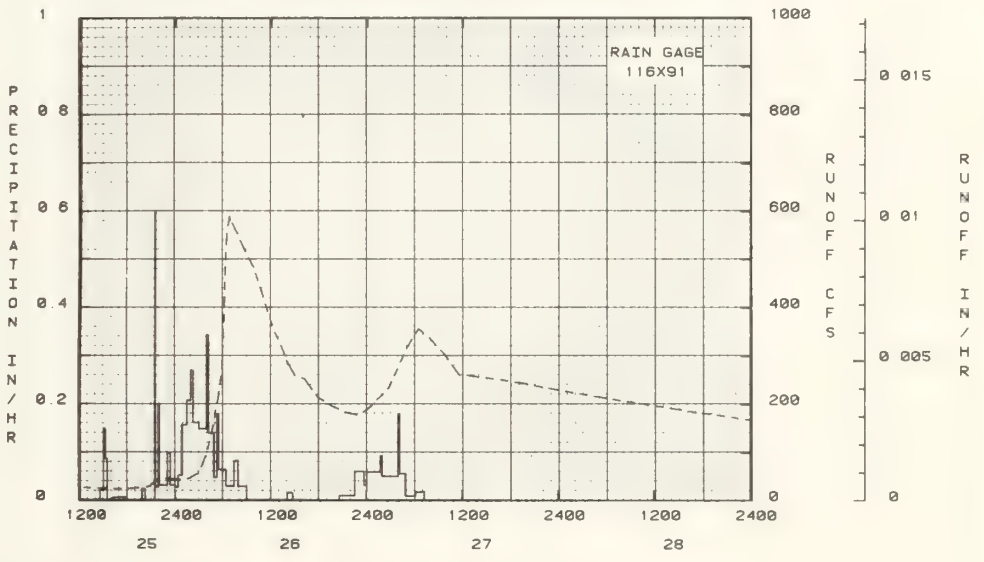
1978 SELECTED RUNOFF EVENT					PEYNOLDS, IDAHO WATERSHED W-1 (036068)					
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 25 - 28, 1978							
RG 116X91				RG 116X91						
4-25	0.0	0.006	4-25	1432	0.0	0.0	4-25	1227	26.939	0.0
				1457	0.0240	0.01		1523	23.116	0.0013
				1513	0.1500	0.05		1712	23.682	0.0020
				1527	0.0857	0.07		1924	26.329	0.0029
				1611	0.0	0.07		2039	29.783	0.0035
WATERSHED CONDITIONS:										
Predominantly sagebrush				1738	0.0069	0.08		2112	36.345	0.0038
rangeland, 95%; small				1948	0.0	0.08		2135	41.686	0.0041
stands of forest, 2%;				2013	0.0240	0.09		2154	45.779	0.0043
permanent fields of flood				2125	0.0	0.09		2242	45.779	0.0050
irrigated alfalfa, 3%.				2127	0.6000	0.11		2340	43.703	0.0057
				2149	0.0273	0.12		2400	43.295	0.0060
				2158	0.2000	0.15	4-26	37	43.703	0.0064
				2257	0.0305	0.18		139	45.359	0.0072
				2321	0.1000	0.22		249	56.602	0.0082
				2400	0.0308	0.24		329	78.672	0.0090
			4-26	23	0.0261	0.25		406	108.035	0.0100
				46	0.0522	0.27		446	156.990	0.0115
				128	0.1571	0.38		520	210.749	0.0133
				154	0.2077	0.47		545	257.919	0.0150
				214	0.2700	0.56		555	291.104	0.0158
				255	0.1610	0.67		600	339.865	0.0162
				356	0.1475	0.82		610	407.404	0.0173
				410	0.3429	0.90		615	484.062	0.0179
				449	0.1385	0.99		628	554.695	0.0199
				515	0.0462	1.01		645	588.835	0.0227
				525	0.1800	1.04		745	552.166	0.0325
				622	0.0632	1.10		847	515.735	0.0419
				726	0.0281	1.13		945	484.062	0.0503
				755	0.0828	1.17		1045	436.205	0.0582
				858	0.0286	1.20		1135	390.927	0.0641

Conversion Factor: CFS to IN/HR, multiply by 0.00001719.

1978 SELECTED RUNOFF EVENT REYNOLDS, IDAHO WATERSHED W-1 (036068)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 25 - 28, 1978 (CONTINUED)							
			4-26	1407	0.0	1.20	4-26	1230	347.952	0.0699
				1444	0.0162	1.21		1320	317.863	0.0747
				2038	0.0	1.21		1415	279.736	0.0794
				2231	0.0106	1.23		1500	259.248	0.0829
				2340	0.0609	1.30		1615	251.346	0.0883
				2400	0.0300	1.33		1710	229.838	0.0921
			4-27	10	0.0600	1.32		1750	214.245	0.0947
				143	0.0581	1.41		1940	194.937	0.1011
				156	0.0923	1.43		2125	182.027	0.1068
				358	0.0492	1.53		2245	176.821	0.1109
				408	0.1800	1.56		2400	187.335	0.1148
				452	0.0545	1.60	4-27	122	210.749	0.1195
				607	0.0080	1.61		242	232.302	0.1246
				715	0.0176	1.63		330	259.248	0.1279
								415	288.231	0.1315
								510	320.938	0.1363
								630	356.269	0.1440
								805	333.469	0.1534
								940	304.273	0.1621
								1140	259.248	0.1718
								1310	257.919	0.1785
								1915	243.608	0.2047
								2400	228.612	0.2240
							4-28	557	211.910	0.2465
								1525	187.335	0.2790
								2400	166.709	0.3051

Conversion Factor: CFS to IN/HR, multiply by 0.00001719.



EVENT OF APRIL 25 - 28, 1978

REYNOLDS, IDAHO WATERSHED W-1 (036068)

1979 SELECTED RUNOFF EVENT — REYNOLDS, IDAHO WATERSHED W-1 (036068)

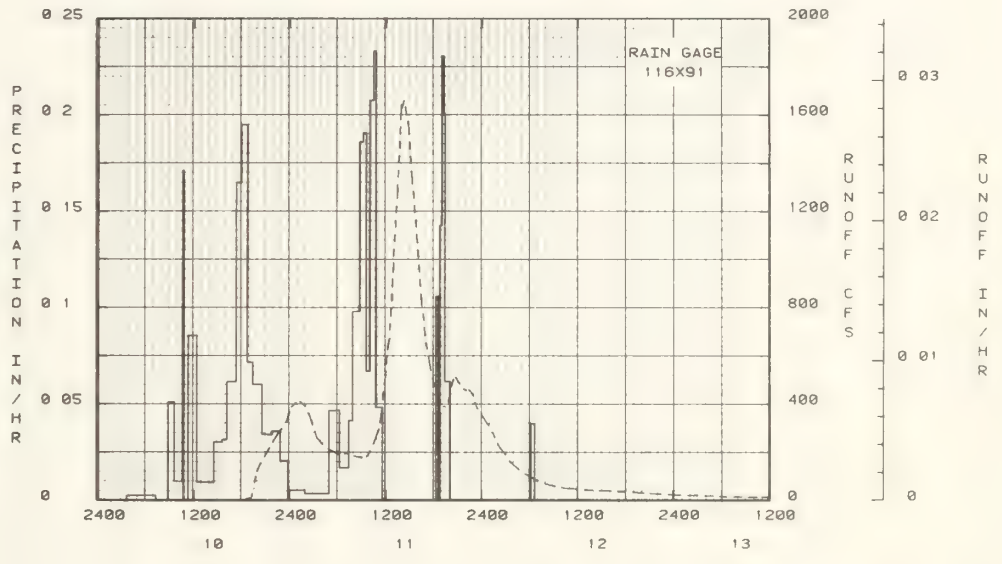
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 10 - 13, 1979							
RG 116X91			RG 116X91							
1-10	0.0	0.001	1-10	332	0.0	0.0	1-10	1649	3.222	0.0
				714	0.0027	0.01		1741	3.725	0.0001
				843	0.0	0.01		1835	5.864	0.0001
				930	0.0511	0.05		1911	9.370	0.0002
				1033	0.0095	0.06		1917	16.206	0.0002
WATERSHED CONDITIONS:										
Predominantly sagebrush				1040	0.1714	0.08		1920	29.783	0.0002
rangeland, 95%; small				1117	0.0	0.08		1931	48.350	0.0004
stands of forest, 2%;				1220	0.0857	0.17		1934	51.462	0.0004
permanent fields of flood				1432	0.0091	0.19		1938	72.845	0.0005
irrigated alfalfa, 3%.				1531	0.0305	0.22		1946	98.008	0.0007
				1609	0.0316	0.24		1959	125.160	0.0011
				1717	0.0618	0.31		2024	155.093	0.0021
				1757	0.1650	0.42		2053	184.138	0.0035
				1840	0.1953	0.56		2129	218.965	0.0056
				1922	0.0714	0.61		2209	257.919	0.0083
				2032	0.0600	0.66		2300	298.371	0.0124
				2143	0.0338	0.72		2339	331.884	0.0159
				2250	0.0358	0.76		2400	369.823	0.0180
				2349	0.0203	0.78	1-11	13	387.344	0.0194
				2400	0.0	0.78		45	405.542	0.0230
			1-11	153	0.0053	0.79		114	411.144	0.0264
				456	0.0033	0.80		157	389.133	0.0314
				613	0.0468	0.86		227	354.602	0.0346
				725	0.0167	0.88		253	313.287	0.0370
				754	0.0414	0.90		325	257.919	0.0397
				843	0.0980	0.98		408	231.068	0.0427
				912	0.1862	1.07		459	208.440	0.0459
				934	0.1909	1.14		601	191.654	0.0494
				1001	0.0667	1.17		655	196.039	0.0524
				1027	0.2077	1.26		717	193.838	0.0537
				1045	0.2333	1.33		826	179.933	0.0574
				1135	0.0480	1.37		904	176.821	0.0593
				1819	0.0	1.37		937	180.978	0.0610
				1836	0.1059	1.40		1007	205.008	0.0626
				1845	0.0	1.40		1047	259.248	0.0653
				1906	0.1429	1.45		1110	296.906	0.0671
				1919	0.2308	1.50		1125	343.101	0.0685
				1928	0.2000	1.53		1138	387.344	0.0699
				2007	0.0615	1.57		1146	452.312	0.0708
			1-12	610	0.0	1.57		1201	537.260	0.0730
				640	0.0400	1.59		1216	631.430	0.0755
								1229	674.746	0.0779
								1241	797.677	0.0804
								1255	953.833	0.0839
								1310	1103.747	0.0884
								1330	1312.366	0.0953
								1356	1641.023	0.1063
								1401	1630.229	0.1086
								1416	1662.885	0.1157
								1451	1547.085	0.1318
								1522	1312.366	0.1445
								1559	1066.374	0.1571
								1628	835.304	0.1650
								1658	684.523	0.1715
								1730	567.542	0.1773
								1805	473.240	0.1825
								1842	411.144	0.1872
								1915	389.133	0.1910
								1930	387.344	0.1926
								1953	409.270	0.1953
								2010	444.189	0.1973
								2023	490.677	0.1991
								2033	504.180	0.2005
								2047	511.081	0.2025
								2118	484.062	0.2070
								2143	462.663	0.2103
								2210	456.426	0.2139
								2229	460.572	0.2164
								2300	434.229	0.2204
								2316	401.846	0.2223

Conversion Factor: CFS to IN/HR, multiply by 0.00001719.

1979 SELECTED RUNOFF EVENT REYNOLDS, IDAHO WATERSHED W-1 (036068)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 10 - 13, 1979 (CONTINUED)							
							1-11	2332	378.501	0.2241
								2400	354.602	0.2270
							1-12	55	310.260	0.2323
								123	281.138	0.2346
								144	259.248	0.2363
								220	216.596	0.2387
								301	186.409	0.2411
								343	154.150	0.2431
								443	125.160	0.2455
								545	102.224	0.2476
								704	79.271	0.2496
								822	63.608	0.2512
								1022	49.227	0.2532
								1200	44.114	0.2545
								1521	38.202	0.2568
								1927	31.436	0.2593
								2231	24.839	0.2608
								2400	21.733	0.2614
							1-13	306	17.868	0.2624
								738	12.738	0.2636
								1029	11.173	0.2642
								1106	11.173	0.2643

Conversion Factor: CFS to IN/HR, multiply by 0.00001719.



EVENT OF JANUARY 10 - 13, 1979

REYNOLDS, IDAHO WATERSHED W-1 (036068)

LOCATION: Owyhee County, Idaho; about 24 miles southwest of Nampa; east flowing tributary to Reynolds Creek, Snake River Basin. Lat. 43 deg. 15 min. 21 sec. N.; long. 116 deg. 45 min. 10 sec. W.

AREA: 8990.00 acres 14.05 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.41	3.78	1.42	4.42	1.11	1.33	0.37	0.85	0.77	0.03	1.50	1.23	19.22
1978	Q	0.249	0.493	0.907	0.949	0.443	0.092	0.042	0.001	0.008	0.017	0.033	0.046	3.280
	P	3.15	2.02	1.20	2.12	2.29	0.69	0.06	2.97	0.31	1.67	1.64	1.57	19.69
1979	Q	0.410	0.412	0.575	0.355	0.332	0.057	0.006	0.001	0.004	0.011	0.041	0.079	2.282
STA AV	P	2.80	1.78	2.09	2.09	1.28	1.79	0.44	0.94	1.08	1.59	2.17	2.24	20.28
	Q	0.600	0.352	0.594	0.510	0.309	0.117	0.024	0.023	0.016	0.044	0.079	0.156	2.824

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	4-27	0.011	4-27	0.011	4-27	0.021	4-27	0.058	4-27	0.102	4-27	0.178	4-26	0.298	4-26	0.650
1979	1-11	0.042	1-11	0.031	1-11	0.059	1-11	0.125	1-11	0.192	1-10	0.249	1-10	0.307	1-10	0.347
MAXIMUMS FOR PERIOD OF RECORD																
	8-23	0.073	8-23	0.044	1-11	0.059	1-11	0.125	1-28	0.208	1-28	0.379	1-28	0.766	1-28	1.495
	1965		1965		1979		1979		1965		1965		1965		1965	

Watershed Conditions: Predominantly sagebrush rangeland, 99%; irrigated pasture and hay crops, 1%.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA Misc. Pub. 1216, p. 68.2-7.
Precipitation: Records began 1963. 'Computed Actual' amounts from rain gage 023X01. STA AV values based on 12 yr beginning 1968.
Runoff: Records began 1963. STA AV values based on 15 yr beginning 1965.
Long-Term Precipitation: National Weather Service Records at Boise, Idaho; 50 miles N.E. of watershed.

1978 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.36	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.01
2	0.05	0.13	0.0	0.0	0.0	0.0	0.04	0.03	0.0	0.0	0.0	0.0
3	0.05	0.57	0.26	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.01
4	0.0	0.0	0.22	0.17	0.16	0.0	0.07	0.0	0.0	0.0	0.0	0.49
5	0.07	0.08	0.44	0.0	0.16	0.0	0.02	0.05	0.18	0.0	0.0	0.0
6	0.17	0.01	0.01	0.40	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0
7	0.0	0.31	0.01	0.05	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0
8	0.07	0.0	0.01	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.23	0.0
9	0.52	0.50	0.0	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.02
10	0.26	0.51	0.0	0.0	0.01	0.59	0.0	0.0	0.14	0.0	0.0	0.0
11	0.11	0.63	0.15	0.0	0.10	0.0	0.0	0.0	0.03	0.0	0.21	0.26
12	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
13	0.0	0.29	0.10	0.02	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.0
14	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.35	0.30	0.0	0.24	0.12	0.0	0.0	0.28	0.0	0.0	0.0	0.0
16	0.06	0.0	0.0	0.30	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
17	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.32
18	0.01	0.03	0.0	0.0	0.0	0.05	0.0	0.0	0.02	0.0	0.0	0.0
19	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.04	0.0	0.0	0.06	0.04	0.03	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.15	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.01
25	0.07	0.0	0.0	0.29	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.19	0.0	1.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.16	0.0	0.93	0.03	0.09	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.29	0.05
29	0.07		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.35	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0
31	0.0		0.07		0.0		0.0	0.0		0.0		0.06
TOTAL	2.41	3.78	1.42	4.42	1.11	1.33	0.37	0.85	0.77	0.03	1.50	1.23
STA AV	2.76	1.75	2.17	2.08	1.18	1.88	0.48	0.75	1.15	1.58	2.22	2.30

Air Temperature: See table for Watershed 68.001.
Gaging: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded). 'Actual' amounts were computed as per relationship developed by W. R. Hamon, "Computing Actual Precipitation", Proceedings WMO-IAHS Symposium, Geilo, Norway, August, 1972. The equation used is: loge (U/A) = loge (U/S) x 1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.
Station Averages: 11 yr beginning 1968.

1978	DAILY PRECIPITATION (INCHES)				REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.27	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.01
2	0.05	0.13	0.0	0.0	0.0	0.0	0.04	0.03	0.0	0.0	0.0	0.0
3	0.05	0.57	0.17	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.01
4	0.0	0.0	0.21	0.17	0.05	0.0	0.07	0.0	0.0	0.0	0.0	0.46
5	0.05	0.08	0.43	0.0	0.05	0.0	0.02	0.05	0.18	0.0	0.0	0.0
6	0.12	0.01	0.01	0.34	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0
7	0.0	0.31	0.01	0.04	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0
8	0.05	0.0	0.01	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.23	0.0
9	0.37	0.26	0.0	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.01
10	0.19	0.14	0.0	0.0	0.01	0.59	0.0	0.0	0.14	0.0	0.0	0.0
11	0.07	0.18	0.11	0.0	0.10	0.0	0.0	0.0	0.03	0.0	0.07	0.15
12	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
13	0.0	0.06	0.09	0.02	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.0
14	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.24	0.39	0.0	0.23	0.12	0.0	0.0	0.28	0.0	0.0	0.0	0.0
16	0.03	0.0	0.0	0.30	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
17	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.20
18	0.0	0.01	0.0	0.0	0.0	0.05	0.0	0.0	0.02	0.0	0.0	0.0
19	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.02	0.0	0.0	0.05	0.04	0.03	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.13	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.01
25	0.03	0.0	0.0	0.29	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.06	0.0	1.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.05	0.0	0.93	0.03	0.09	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.29	0.05
29	0.03		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.35	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0
31	0.0		0.06		0.0		0.0	0.0		0.0		0.06
TOTAL	1.58	1.98	1.23	4.17	0.89	1.33	0.37	0.85	0.77	0.03	1.32	0.98
STA AV												

Gaging: Values are amounts from unshielded recording gage 023401.
Station Averages: Not applicable to unshielded rain gage records.

1978	DAILY PRECIPITATION (INCHES)				REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.33	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.01
2	0.05	0.13	0.0	0.0	0.0	0.0	0.04	0.03	0.0	0.0	0.0	0.0
3	0.05	0.57	0.19	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.01
4	0.0	0.0	0.21	0.17	0.10	0.0	0.07	0.0	0.0	0.0	0.0	0.48
5	0.06	0.08	0.43	0.0	0.10	0.0	0.02	0.05	0.18	0.0	0.0	0.0
6	0.16	0.01	0.01	0.36	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0
7	0.0	0.31	0.01	0.04	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0
8	0.06	0.0	0.01	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.23	0.0
9	0.43	0.36	0.0	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.01
10	0.23	0.28	0.0	0.0	0.01	0.59	0.0	0.0	0.14	0.0	0.0	0.0
11	0.08	0.36	0.13	0.0	0.10	0.0	0.0	0.0	0.03	0.0	0.14	0.19
12	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
13	0.0	0.16	0.10	0.02	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.0
14	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.29	0.18	0.0	0.23	0.12	0.0	0.0	0.28	0.0	0.0	0.0	0.0
16	0.03	0.0	0.0	0.30	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
17	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.28
18	0.01	0.02	0.0	0.0	0.0	0.05	0.0	0.0	0.02	0.0	0.0	0.0
19	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.03	0.0	0.0	0.05	0.04	0.03	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.14	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.01
25	0.05	0.0	0.0	0.29	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.12	0.0	1.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.10	0.0	0.93	0.03	0.09	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.29	0.05
29	0.05		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.35	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0
31	0.0		0.07		0.0		0.0	0.0		0.0		0.06
TOTAL	1.97	2.72	1.30	4.29	0.99	1.33	0.37	0.85	0.77	0.03	1.40	1.10
STA AV												

Gaging: Values are amounts from shielded recording gage 023501.
Station Averages: Not applicable to shielded rain gage records.

1979 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.04	0.02	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.04	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22
3	0.01	0.03	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0
4	0.03	0.05	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.09	0.14
5	0.0	0.02	0.14	0.0	0.38	0.0	0.05	0.0	0.0	0.0	0.0	0.0
6	0.0	0.05	0.0	0.48	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.16	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.01	0.0	0.0	0.0	1.00	0.0	0.0	0.01	0.0	0.0	0.0	0.0
9	0.14	0.0	0.0	0.76	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1.05	0.03	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0
13	0.0	0.16	0.0	0.0	0.0	0.01	0.0	2.10	0.0	0.0	0.0	0.0
14	0.49	0.38	0.0	0.0	0.03	0.0	0.0	0.06	0.0	0.0	0.0	0.0
15	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.0	0.0
16	0.0	0.13	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.10	0.0	0.0	0.12	0.0	0.03	0.0	0.0	0.0	0.0	0.25	0.0
18	0.0	0.03	0.0	0.09	0.0	0.53	0.0	0.02	0.0	0.51	0.05	0.0
19	0.0	0.11	0.04	0.0	0.0	0.0	0.0	0.32	0.0	0.28	0.0	0.0
20	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0
21	0.02	0.07	0.04	0.0	0.0	0.09	0.0	0.19	0.0	0.0	0.0	0.16
22	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.34	0.0
23	0.0	0.02	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.01	0.10	0.28
24	0.12	0.01	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.46
25	0.06	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.31	0.10	0.17	0.23
26	0.0	0.27	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.15	0.0
27	0.04	0.0	0.23	0.0	0.0	0.0	0.0	0.01	0.0	0.14	0.0	0.0
28	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.15	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0
30	0.0		0.02	0.01	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.05
31	0.0		0.09		0.0		0.0	0.03		0.0		0.03
TOTAL	3.15	2.02	1.20	2.12	2.29	0.69	0.06	2.97	0.31	1.67	1.64	1.57
STA AV	2.80	1.78	2.09	2.09	1.28	1.79	0.44	0.94	1.08	1.59	2.17	2.24

Air Temperature: See table for Watershed 68.001.
Gaging: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded). 'Actual' amounts were computed as per relationship developed by W. R. Haron, "Computing Actual Precipitation", Proceedings WMO-IAHS Symposium, Geilo, Norway, August, 1972. The equation used is: loge (U/A) = loge (U/S) x 1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.
Station Averages: 12 yr beginning 1968.

1979 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.02	0.01	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.04	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13
3	0.01	0.02	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0
4	0.03	0.03	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.07	0.07
5	0.0	0.01	0.07	0.0	0.29	0.0	0.05	0.0	0.0	0.0	0.0	0.0
6	0.0	0.03	0.0	0.39	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.10	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.01	0.0	0.0	0.0	0.40	0.0	0.0	0.01	0.0	0.0	0.0	0.0
9	0.14	0.0	0.0	0.58	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1.05	0.02	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0
13	0.0	0.09	0.0	0.0	0.0	0.01	0.0	2.03	0.0	0.0	0.0	0.0
14	0.19	0.20	0.0	0.0	0.03	0.0	0.0	0.04	0.0	0.0	0.0	0.0
15	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.0	0.0
16	0.0	0.07	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.05	0.0	0.0	0.06	0.0	0.03	0.0	0.0	0.0	0.0	0.16	0.0
18	0.0	0.02	0.0	0.04	0.0	0.53	0.0	0.01	0.0	0.51	0.03	0.0
19	0.0	0.05	0.02	0.0	0.0	0.0	0.0	0.21	0.0	0.28	0.0	0.0
20	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0
21	0.01	0.04	0.02	0.0	0.0	0.09	0.0	0.13	0.0	0.0	0.0	0.06
22	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.21	0.0
23	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.01	0.06	0.10
24	0.06	0.01	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.17
25	0.03	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.31	0.09	0.10	0.09
26	0.0	0.15	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.09	0.0
27	0.02	0.0	0.13	0.0	0.0	0.0	0.0	0.01	0.0	0.12	0.0	0.0
28	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.14	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0
30	0.0		0.01	0.01	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.02
31	0.0		0.05		0.0		0.0	0.03		0.0		0.01
TOTAL	2.68	1.14	0.79	1.34	1.18	0.69	0.06	2.70	0.31	1.60	1.03	0.65
STA AV												

Gaging: Values are amounts from unshielded recording gage 023401.
Station Averages: Not applicable to unshielded rain gage records.

1978	DAILY PRECIPITATION (INCHES)						REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.0	[illegible]	0.0	0.0	0.0	0.0
2	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.0	[illegible]	[illegible]	0.0	0.0	[illegible]	0.17
3	0.01	[illegible]	[illegible]	0.0	[illegible]	0.0	[illegible]	[illegible]	0.0	0.0	[illegible]	0.0
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.01	[illegible]	0.0	0.0	0.08	[illegible]
5	0.0	[illegible]	0.10	0.0	[illegible]	0.0	[illegible]	0.0	0.0	0.0	[illegible]	[illegible]
6	0.0	[illegible]	[illegible]	0.42	[illegible]	0.0	[illegible]	0.0	[illegible]	[illegible]	0.0	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	0.20	0.0	[illegible]	[illegible]	0.0	0.0	[illegible]	[illegible]
8	0.01	[illegible]	0.0	[illegible]	[illegible]	[illegible]	[illegible]	0.01	0.0	0.0	0.0	[illegible]
9	0.14	[illegible]	0.9	0.65	0.27	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]
10	[illegible]	0.0	[illegible]	0.0	[illegible]	[illegible]	0.0	[illegible]	0.0	0.0	0.0	[illegible]
11	1.05	0.03	[illegible]	0.14	[illegible]	0.0	[illegible]	0.0	0.0	0.0	0.0	[illegible]
12	[illegible]	[illegible]	0.0	0.0	[illegible]	[illegible]	0.0	0.10	[illegible]	0.0	0.0	[illegible]
13	0.0	0.10	0.0	0.0	[illegible]	0.01	[illegible]	2.08	0.0	0.0	0.0	[illegible]
14	0.31	0.28	[illegible]	[illegible]	0.03	0.0	[illegible]	0.04	0.0	0.0	0.0	[illegible]
15	0.0	0.0	0.20	[illegible]	0.0	[illegible]	0.0	[illegible]	0.0	0.27	0.0	[illegible]
16	0.0	0.09	[illegible]	0.0	[illegible]	[illegible]	[illegible]	0.0	0.0	0.0	0.0	[illegible]
17	0.07	0.0	0.0	[illegible]	[illegible]	0.03	0.0	[illegible]	[illegible]	[illegible]	0.20	[illegible]
18	0.0	0.02	0.0	0.07	[illegible]	0.53	[illegible]	0.01	[illegible]	0.51	[illegible]	[illegible]
19	0.0	0.07	0.03	0.0	[illegible]	0.0	0.0	0.26	0.0	0.28	[illegible]	[illegible]
20	0.0	0.26	0.0	0.0	[illegible]	0.0	[illegible]	[illegible]	[illegible]	0.01	0.0	[illegible]
21	0.02	0.06	[illegible]	0.0	[illegible]	[illegible]	0.0	0.16	0.0	0.0	[illegible]	[illegible]
22	[illegible]	[illegible]	0.0	0.0	[illegible]	[illegible]	[illegible]	0.0	[illegible]	0.17	0.28	[illegible]
23	0.0	0.01	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.0	0.0	[illegible]	0.07	[illegible]
24	0.10	[illegible]	0.0	0.14	[illegible]	[illegible]	0.0	0.0	0.0	0.0	0.27	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.02	[illegible]	0.0	[illegible]	[illegible]	0.13	[illegible]
26	0.0	0.18	[illegible]	[illegible]	[illegible]	0.01	[illegible]	0.0	0.0	0.0	[illegible]	[illegible]
27	0.03	0.0	0.17	0.0	[illegible]	[illegible]	0.0	0.01	0.0	0.13	0.0	[illegible]
28	0.0	0.08	[illegible]	0.0	0.0	[illegible]	[illegible]	0.01	0.0	[illegible]	0.0	[illegible]
29	0.0		0.0	0.0	[illegible]	0.0	[illegible]	[illegible]	0.0	[illegible]	[illegible]	[illegible]
30	0.0		0.01	0.01	[illegible]	0.0	0.0	0.08	[illegible]	0.0	[illegible]	[illegible]
31	0.0		0.06		[illegible]		0.0	0.03		0.0		[illegible]
TOTAL	[illegible]	1.50	[illegible]	1.69	[illegible]	0.69	0.06	2.83	0.31	1.62	1.29	1.10
STA AV												

Gaging: Values are amounts from shielded recording gage 023501.
Station Averages: Not applicable to shielded rain gage records.

1978	MEAN DAILY DISCHARGE (CFS)						REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.006	2.819	6.530	12.026	17.552	1.862	1.124	0.031	0.012	0.161	0.321	0.878
2	2.326	2.091	5.950	10.228	14.544	1.800	1.170	0.035	0.009	0.171	0.335	0.622
3	1.846	7.952	6.093	8.645	12.416	1.725	1.013	0.028	0.009	0.186	0.335	0.606
4	1.745	8.122	6.358	8.351	10.969	1.714	0.956	0.019	0.009	0.171	0.335	1.142
5	1.466	6.746	10.779	7.392	10.194	1.630	0.901	0.023	0.016	0.182	0.335	1.023
6	2.548	7.568	12.615	7.636	8.809	1.270	0.817	0.019	0.027	0.174	0.362	0.619
7	2.310	7.856	11.876	7.262	7.745	1.088	0.921	0.016	0.064	0.173	0.373	0.409
8	2.323	7.664	13.085	6.625	6.791	1.110	1.034	0.016	0.056	0.186	0.374	0.451
9	2.458	7.499	14.287	6.319	6.569	1.116	0.973	0.012	0.050	0.187	0.417	0.484
10	2.797	6.927	13.958	6.134	6.780	1.429	0.880	0.009	0.056	0.179	0.381	0.453
11	3.075	6.151	12.960	6.007	5.339	1.411	0.761	0.006	0.068	0.167	0.412	0.437
12	3.699	6.061	11.313	5.782	4.348	1.189	0.647	0.006	0.074	0.161	0.418	0.437
13	3.553	5.458	10.077	5.454	4.322	1.050	0.553	0.009	0.080	0.171	0.484	0.437
14	3.531	5.004	8.783	5.278	4.055	0.940	0.511	0.009	0.087	0.171	0.433	0.576
15	4.529	4.720	7.817	5.264	4.123	0.985	0.468	0.009	0.099	0.171	0.344	0.602
16	4.276	4.169	7.396	6.409	4.128	0.995	0.387	0.006	0.087	0.181	0.392	0.620
17	5.029	4.068	8.370	5.386	3.660	0.977	0.411	0.006	0.094	0.201	0.422	0.620
18	4.679	3.894	10.530	4.986	3.565	1.047	0.375	0.009	0.118	0.223	0.422	0.602
19	4.681	6.329	12.191	4.664	3.255	1.050	0.308	0.006	0.134	0.223	0.437	0.584
20	4.424	8.920	13.415	5.174	2.841	0.990	0.221	0.006	0.143	0.212	0.437	0.584
21	4.063	9.793	12.919	4.986	2.496	0.930	0.217	0.009	0.161	0.223	0.407	0.584
22	3.792	9.438	13.171	4.875	2.425	0.927	0.251	0.009	0.134	0.235	0.392	0.550
23	2.893	8.662	14.244	4.562	2.547	0.887	0.201	0.012	0.139	0.235	0.377	0.516
24	3.017	8.120	13.275	4.259	2.814	0.824	0.144	0.016	0.134	0.235	0.363	0.563
25	3.034	7.944	11.764	4.334	2.749	1.189	0.111	0.016	0.152	0.253	0.392	0.547
26	2.834	8.379	11.619	38.694	2.261	1.001	0.101	0.016	0.152	0.265	0.422	0.612
27	2.565	7.640	12.001	65.607	1.942	0.890	0.067	0.016	0.161	0.284	0.430	0.828
28	2.460	6.908	12.151	43.372	1.976	0.861	0.046	0.012	0.174	0.246	0.504	0.490
29	2.418		12.515	30.169	2.056	0.865	0.051	0.009	0.171	0.292	0.589	0.201
30	2.141		12.558	22.709	2.016	1.013	0.047	0.009	0.161	0.316	0.697	0.201
31	2.195		11.976		1.985		0.041	0.012		0.319		0.223
MEAN	3.039	6.646	11.051	11.953	5.396	1.160	0.507	0.014	0.096	0.210	0.411	0.565
INCHES	0.249	0.493	0.907	0.949	0.443	0.092	0.042	0.001	0.008	0.017	0.033	0.046
STA AV	0.614	0.348	0.595	0.521	0.307	0.121	0.025	0.024	0.017	0.047	0.082	0.161

Station Averages: 14 yr beginning 1965.
Conversion Factor: CFS to IN/DAY, multiply by 0.002648.

1979 MEAN DAILY DISCHARGE (CFS) REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.235	1.662	2.940	3.958	1.992	1.741	0.222	0.016	0.023	0.062	0.258	0.768
2	0.235	1.662	2.447	3.909	2.087	1.511	0.217	0.012	0.023	0.050	0.258	0.899
3	0.235	1.662	2.219	3.491	2.247	1.273	0.208	0.009	0.027	0.052	0.295	1.589
4	0.235	1.662	2.432	3.193	2.262	1.329	0.241	0.009	0.031	0.050	0.377	1.473
5	0.235	1.637	6.370	3.138	2.586	1.205	0.185	0.006	0.035	0.048	0.349	1.420
6	0.235	10.418	23.463	4.069	2.980	1.123	0.181	0.004	0.040	0.054	0.335	1.301
7	0.235	29.931	22.072	4.382	3.105	1.149	0.155	0.004	0.035	0.050	0.335	1.233
8	0.223	9.015	13.647	4.204	3.663	1.130	0.123	0.004	0.031	0.050	0.335	1.188
9	0.212	6.626	9.194	6.881	7.238	0.937	0.110	0.004	0.031	0.061	0.335	1.165
10	12.656	5.164	7.354	5.623	9.016	0.902	0.065	0.004	0.031	0.080	0.321	1.088
11	92.661	10.440	7.139	6.371	9.316	0.775	0.057	0.006	0.031	0.074	0.326	0.712
12	12.329	5.889	7.217	6.165	7.878	0.659	0.055	0.009	0.031	0.062	0.339	0.992
13	4.214	12.221	7.280	5.928	7.277	0.618	0.058	0.009	0.031	0.073	0.410	0.987
14	2.683	11.222	6.807	5.683	6.820	0.627	0.066	0.009	0.031	0.074	0.446	0.924
15	2.025	5.507	6.920	5.705	6.545	0.511	0.065	0.009	0.035	0.074	0.489	0.949
16	1.720	4.199	9.382	5.722	6.132	0.367	0.058	0.009	0.045	0.080	0.550	0.947
17	1.612	3.646	7.328	5.743	5.462	0.516	0.054	0.009	0.056	0.087	0.584	0.938
18	1.612	3.601	6.390	5.510	4.948	0.673	0.040	0.009	0.056	0.121	0.584	0.869
19	1.612	3.290	6.065	4.993	4.566	0.554	0.031	0.009	0.045	0.220	0.550	0.815
20	1.612	2.832	5.775	4.550	4.148	0.522	0.016	0.009	0.036	0.171	0.490	0.827
21	1.612	3.270	5.335	4.303	3.438	0.562	0.009	0.009	0.026	0.152	0.513	1.084
22	1.612	3.197	5.081	4.174	2.801	0.449	0.012	0.009	0.015	0.161	0.543	0.870
23	1.612	2.976	4.945	4.173	2.497	0.359	0.019	0.012	0.021	0.161	0.584	0.639
24	1.612	2.637	4.895	4.276	2.337	0.355	0.023	0.016	0.023	0.205	0.761	0.932
25	1.612	2.633	4.955	3.350	2.318	0.355	0.023	0.016	0.120	0.283	0.752	0.994
26	1.612	2.842	5.016	3.110	1.989	0.324	0.023	0.016	0.173	0.283	0.788	0.751
27	1.612	2.653	5.314	3.532	1.971	0.276	0.023	0.016	0.110	0.270	0.932	0.748
28	1.612	3.055	4.989	3.280	2.035	0.237	0.023	0.019	0.080	0.283	1.075	0.695
29	1.637		4.977	2.555	1.902	0.206	0.019	0.023	0.074	0.270	0.878	0.643
30	1.662		4.755	2.166	1.926	0.197	0.016	0.023	0.068	0.270	0.759	0.729
31	1.662		4.406		1.830		0.016	0.023		0.270		0.677
MEAN	4.9894	5.5552	7.0036	4.4712	4.0423	0.7147	0.0778	0.0111	0.0472	0.1357	0.5184	0.9629
INCHES	0.410	0.412	0.575	0.355	0.332	0.057	0.006	0.001	0.004	0.011	0.041	0.079
STA AV	0.600	0.352	0.594	0.510	0.309	0.117	0.024	0.023	0.016	0.044	0.079	0.156

Station Averages: 15 yr beginning 1965.
Conversion Factor: CFS to IN/DAY, multiply by 0.002648.

1978 SELECTED RUNOFF EVENT REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)

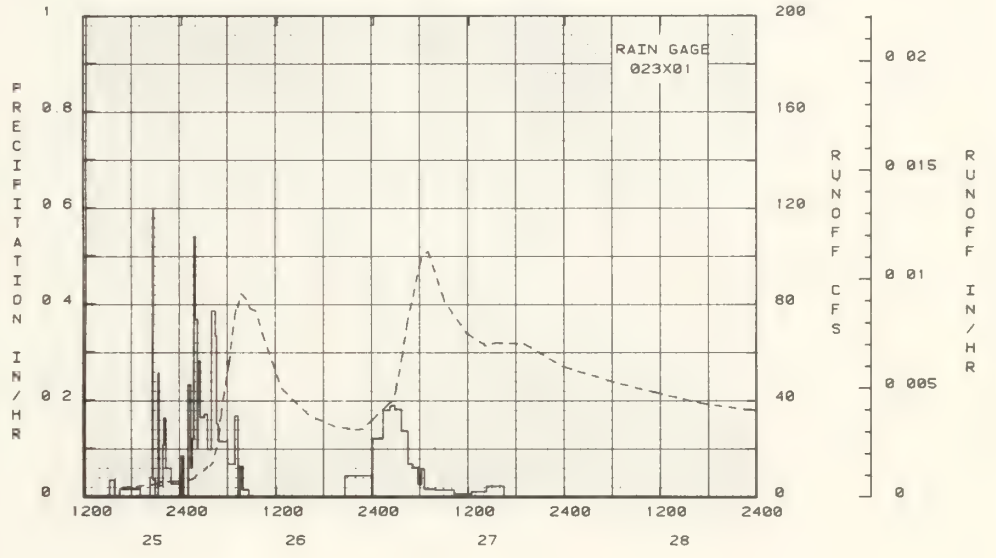
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 25 - 28, 1978							
RG 023X01				RG 023X01						
4-25	0.0	0.007	4-25	1505	0.0	0.0	4-25	1640	3.891	0.0
				1540	0.0343	0.02		2023	4.859	0.0018
				1620	0.0	0.02		2052	5.421	0.0021
				1736	0.0158	0.04		2109	6.103	0.0023
				1856	0.0150	0.06		2137	5.869	0.0026
WATERSHED CONDITIONS:										
Predominantly sagebrush				2009	0.0	0.06		2216	6.223	0.0030
rangeland, 99%; irrigated				2024	0.0400	0.07		2400	6.223	0.0042
pasture and hay crops, 1%.				2029	0.6000	0.12	4-26	131	7.241	0.0053
				2047	0.0333	0.13		203	9.133	0.0058
				2109	0.0	0.13		307	11.371	0.0070
				2116	0.2571	0.16		317	12.767	0.0072
				2144	0.0214	0.17		335	12.767	0.0076
				2155	0.1091	0.19		404	14.343	0.0084
				2206	0.1636	0.22		432	20.547	0.0093
				2248	0.0571	0.26		450	25.428	0.0100
				2400	0.0250	0.29		510	36.748	0.0112
			4-26	8	0.0	0.29		529	43.589	0.0126
				22	0.0857	0.31		611	58.355	0.0165
				58	0.0	0.31		628	67.590	0.0185
				116	0.2333	0.38		654	77.752	0.0219
				126	0.0600	0.39		709	78.574	0.0241
				136	0.1200	0.41		732	84.485	0.0276
				146	0.5400	0.50		813	81.917	0.0338
				204	0.3667	0.61		844	77.752	0.0384
				210	0.1000	0.62		925	76.937	0.0442
				227	0.2824	0.70		1013	67.590	0.0506
				300	0.1636	0.79		1242	44.712	0.0660
				321	0.1714	0.85		1601	33.848	0.0803
				352	0.0968	0.90		1921	28.936	0.0919
				420	0.3857	1.06		2213	27.684	0.1008

Conversion Factor: CFS to IN/HR, multiply by .0001103.

1978 SELECTED RUNOFF EVENT REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	APRIL	25 - 28, 1978	(CONTINUED)				
			4-26	429	0.3333	1.13	4-26	2242	28.097	0.1023
				441	0.1500	1.15		2400	32.003	0.1066
				555	0.1135	1.30	4-27	118	36.254	0.1115
				649	0.0667	1.36		229	39.809	0.1165
				714	0.1680	1.43		258	44.148	0.1187
				727	0.0	1.43		350	60.406	0.1237
				746	0.0632	1.45		430	74.524	0.1287
				831	0.0133	1.46		606	99.096	0.1440
				2035	0.0	1.46		657	102.010	0.1534
				2400	0.0439	1.61		901	81.072	0.1743
			4-27	3	0.0	1.61		1152	67.590	0.1977
				122	0.1215	1.77		1414	62.509	0.2146
				212	0.1800	1.92		1524	63.931	0.2228
				228	0.1875	1.97		1903	63.215	0.2484
				247	0.1895	2.04		2400	53.750	0.2803
				340	0.1811	2.19	4-28	614	47.602	0.3152
				429	0.1347	2.30		1217	42.486	0.3452
				505	0.0667	2.34		1754	38.258	0.3702
				545	0.0600	2.38		2400	35.764	0.3952
				610	0.0240	2.39				
				631	0.0571	2.41				
				757	0.0140	2.43				
				1015	0.0130	2.46				
				1227	0.0045	2.47				
				1417	0.0109	2.49				
				1628	0.0229	2.54				

Conversion Factor: CFS to IN/HR, multiply by .0001103.



EVENT OF APRIL 25 - 28, 1978

REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)

1979 SELECTED RUNOFF EVENT — REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)

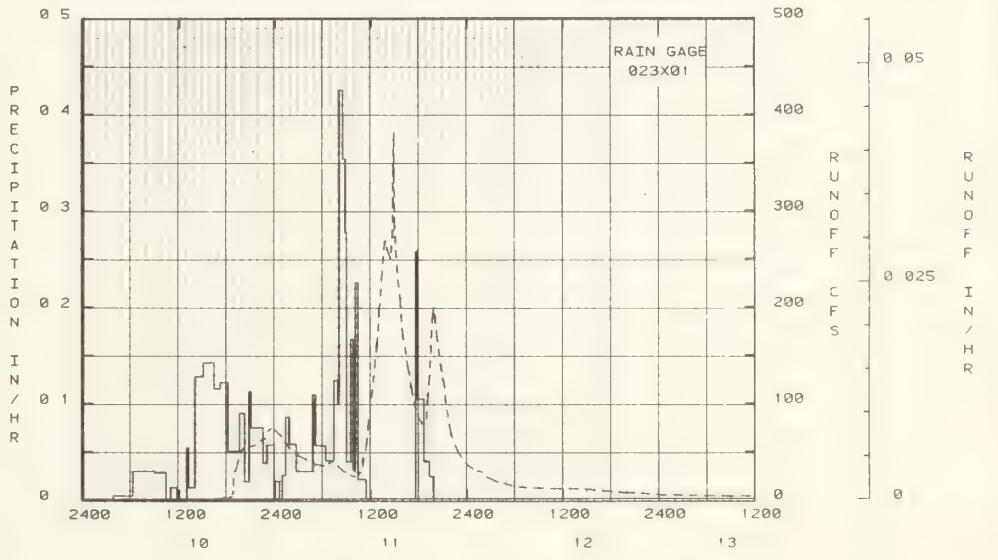
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 10 - 13, 1979							
	RG 023X01			RG 023X01						
1-10	0.0	0.000	1-10	341	0.0	0.0	1-10	1605	0.212	0.0
				611	0.0040	0.01		1637	0.335	0.0000
				853	0.0296	0.09		1700	0.550	0.0000
				1020	0.0276	0.13		1705	1.371	0.0001
				1056	0.0	0.13		1731	2.362	0.0001
WATERSHED CONDITIONS:										
Predominantly sagebrush				1144	0.0125	0.14		1746	2.791	0.0002
rangeland, 99%; irrigated				1300	0.0	0.14		1816	2.990	0.0004
pasture and hay crops, 1%.				1311	0.0545	0.15		1838	3.270	0.0005
				1400	0.0122	0.16		1840	5.103	0.0005
				1501	0.1279	0.29		1847	8.822	0.0006
				1621	0.1425	0.48		1849	14.105	0.0006
				1708	0.1149	0.57		1851	22.371	0.0007
				1807	0.1220	0.69		1908	31.552	0.0016
				1931	0.0500	0.76		1926	41.941	0.0028
				2011	0.0900	0.82		1947	50.614	0.0046
				2044	0.0182	0.83		2009	54.393	0.0067
				2100	0.1125	0.86		2041	55.040	0.0099
				2229	0.0742	0.97		2131	57.014	0.0151
				2301	0.0375	0.99		2212	61.101	0.0195
				2354	0.0566	1.04		2243	63.931	0.0231
				2400	0.0	1.04		2315	72.944	0.0271
			1-11	31	0.0194	1.05		2330	73.731	0.0291
				54	0.0	1.05		2400	72.163	0.0331
				118	0.0250	1.06	1-11	48	65.379	0.0392
				146	0.0857	1.10		148	52.481	0.0457
				239	0.0566	1.15		251	45.854	0.0514
				443	0.0290	1.21		359	40.866	0.0568
				505	0.1091	1.25		448	36.748	0.0603
				621	0.0553	1.32		610	34.758	0.0657
				721	0.0400	1.36		645	37.751	0.0680
				750	0.1241	1.42		714	40.335	0.0701
				802	0.1000	1.44		756	33.848	0.0730
				826	0.4250	1.61		840	28.097	0.0755
				843	0.3529	1.71		946	23.509	0.0786
				856	0.2769	1.77		959	23.892	0.0792
				927	0.0387	1.79		1026	25.807	0.0804
				945	0.1667	1.84		1041	28.097	0.0812
				1005	0.0300	1.85		1059	35.279	0.0822
				1021	0.2250	1.91		1105	43.589	0.0827
				1121	0.0200	1.93		1128	57.014	0.0848
				1736	0.0	1.93		1137	75.323	0.0859
				1743	0.2571	1.96		1150	90.686	0.0879
				1835	0.1038	2.05		1210	114.239	0.0916
				1921	0.0391	2.08		1227	137.923	0.0956
				1947	0.0231	2.09		1248	167.367	0.1015
								1302	196.189	0.1061
								1319	229.799	0.1128
								1344	268.912	0.1243
								1407	257.837	0.1354
								1426	248.844	0.1442
								1440	272.673	0.1510
								1441	306.065	0.1515
								1444	342.081	0.1533
								1452	380.814	0.1586
								1453	329.063	0.1592
								1457	288.065	0.1615
								1516	234.853	0.1706
								1540	207.000	0.1804
								1557	172.905	0.1863
								1638	136.727	0.1980
								1712	108.009	0.2057
								1756	84.485	0.2134
								1824	78.574	0.2176
								1856	83.623	0.2224
								1910	103.984	0.2248
								1922	129.697	0.2274
								1932	160.657	0.2301
								1942	187.227	0.2333
								1952	199.238	0.2368
								2002	190.183	0.2404

Conversion Factor: CFS to IN/HR, multiply by .0001103.

1979 SELECTED RUNOFF EVENT — REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 10 - 13, 1979 (CONTINUED)							
							1-11	2021	163.327	0.2466
								2052	133.181	0.2550
								2115	115.300	0.2603
								2122	100.061	0.2617
								2147	77.752	0.2658
								2212	63.215	0.2690
								2252	49.394	0.2731
								2400	35.764	0.2785
							1-12	44	31.105	0.2812
								119	29.362	0.2841
								145	28.057	0.2845
								230	22.748	0.2866
								345	17.894	0.2894
								536	13.872	0.2928
								725	11.561	0.2952
								931	11.000	0.2978
								1151	10.639	0.3006
								1348	10.462	0.3028
								1559	9.453	0.3052
								1710	8.369	0.3064
								1908	6.846	0.3080
								2051	6.103	0.3093
								2248	5.000	0.3105
								2400	4.418	0.3111
							1-13	257	3.728	0.3124
								600	3.417	0.3136
								923	2.791	0.3148
								1130	3.270	0.3155

Conversion Factor: CFS to IN/HR, multiply by .0001103.



EVENT OF JANUARY 10 - 13, 1979

REYNOLDS, IDAHO SALMON CREEK WATERSHED (046017)

LOCATION: Owyhee County, Idaho; about 25 miles southwest of Nampa; east flowing tributary to Reynolds Creek, Snake River Basin. Lat. 43 deg. 14 min. 42 sec. N.; long. 116 deg. 45 min. 30 sec. W.

AREA: 7846.00 acres 12.26 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) REYNOLDS, IDAHO MACKS CREEK WATERSHED (046084)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.13	3.17	2.78	4.22	1.38	1.57	0.44	0.59	0.71	0.04	1.71	1.01	19.75
1978	Q	0.206	0.410	1.026	0.865	0.341	0.054	0.027	0.005	0.004	0.004	0.021	0.038	3.001
	P	2.66	1.60	1.03	2.15	1.64	0.54	0.11	3.44	0.28	2.05	1.29	1.36	18.17
1979	Q	0.440	0.412	0.603	0.323	0.230	0.018	0.004	0.002	0.001	0.002	0.018	0.060	2.112
STA AV	P	2.43	1.58	1.94	1.86	1.13	1.58	0.47	1.04	1.00	1.47	1.96	2.05	18.50
	Q	0.459	0.293	0.696	0.531	0.219	0.063	0.015	0.006	0.005	0.014	0.030	0.102	2.473

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	4-26	0.011	4-26	0.011	4-26	0.020	4-26	0.050	4-27	0.075	4-27	0.132	4-26	0.244	4-26	0.524
1979	1-11	0.038	1-11	0.036	1-11	0.071	1-11	0.150	1-11	0.226	1-10	0.322	1-10	0.389	1-10	0.412
MAXIMUMS FOR PERIOD OF RECORD																
	1-21	0.039	1-21	0.037	1-11	0.071	1-20	0.183	1-20	0.294	1-20	0.457	1-20	0.649	2-27	1.015
	1969		1969		1979		1969		1969		1969		1969		1972	

Watershed Conditions: The watershed topography is steep, except in the lower valley, with numerous basalt outcrops at the higher elevations. 98% is sagebrush rangeland with a varying cover of sagebrush, bitterbrush, mountain mahogany, and willow with a fair cover of forage plants such as cheatgrass, bluebunch wheatgrass, and Idaho fescue. 35% of the area has a vegetative cover of 0-25%, 33% of the area has a vegetative cover of 26-50%, 18% of the area has a vegetative cover of 51-75%, and 12% of the area has a vegetative cover of 76-100%. 2% of the area, in pasture and haycrops, receives limited irrigation.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1966, USDA Misc. Pub. 1226, page 68.3-4.
Precipitation: Records began 1963. 'Computed Actual' amounts from rain gage 053X93. STA AV values based on 12 yr beginning 1968.
Runoff: Records began 1963. STA AV values based on 17 yr beginning 1963.
Long-Term Precipitation: National Weather Service records at Boise, Idaho; 50 miles N.E. of watershed.

1978 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO MACKS CREEK WATERSHED (046084)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.0	0.0	0.48	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.05
2	0.04	0.08	0.0	0.05	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
3	0.03	0.47	0.69	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.10
4	0.0	0.0	0.38	0.22	0.09	0.0	0.10	0.0	0.0	0.0	0.0	0.29
5	0.05	0.07	1.01	0.0	0.02	0.0	0.02	0.02	0.05	0.0	0.0	0.0
6	0.09	0.01	0.02	0.35	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
7	0.0	0.31	0.0	0.04	0.0	0.0	0.02	0.0	0.25	0.0	0.0	0.0
8	0.04	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0
9	0.38	0.38	0.0	0.0	0.25	0.0	0.0	0.0	0.01	0.0	0.0	0.03
10	0.30	0.15	0.0	0.0	0.0	0.59	0.0	0.0	0.03	0.0	0.0	0.0
11	0.06	0.36	0.28	0.0	0.08	0.0	0.0	0.0	0.01	0.0	0.13	0.14
12	0.02	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
13	0.0	0.46	0.17	0.11	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.0
14	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.43	0.26	0.0	0.25	0.06	0.0	0.0	0.24	0.0	0.0	0.0	0.0
16	0.04	0.0	0.0	0.46	0.02	0.0	0.0	0.02	0.0	0.0	0.0	0.0
17	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.25
18	0.04	0.07	0.0	0.0	0.0	0.07	0.0	0.0	0.05	0.0	0.0	0.08
19	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.30	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
21	0.08	0.0	0.0	0.04	0.0	0.05	0.0	0.0	0.0	0.0	0.01	0.0
22	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0
23	0.0	0.0	0.11	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.77	0.78	0.0	0.0	0.0	0.0	0.0	0.0
25	0.12	0.0	0.0	0.26	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.29	0.0	1.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.11	0.0	0.48	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.27	0.01
29	0.08		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.46	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.0
31	0.0		0.06		0.0		0.0	0.0		0.0		0.06
TOTAL	2.13	3.17	2.78	4.22	1.38	1.57	0.44	0.59	0.71	0.04	1.71	1.01
STA AV	2.41	1.58	2.03	1.83	1.08	1.67	0.50	0.82	1.06	1.42	2.02	2.11

Air Temperature: See table for Watershed 68.001.
Gaging: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded). 'Actual' amounts were computed as per relationship developed by W. R. Hamon, "Computing Actual Precipitation", Proceedings of WMO-IAHS Symposium, Geilo, Norway, August, 1972. The equation used is: loge (U/A) = loge (U/S) x 1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.
Station Averages: 11 yr beginning 1968.

Cooperative Research Project of USDA and USDI and Idaho Agricultural Experiment Station

1978 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO MACKS CREEK WATERSHED (046084)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.0	0.0	0.30	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.05
2	0.04	0.07	0.0	0.03	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
3	0.03	0.40	0.04	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.10
4	0.0	0.0	0.22	0.19	0.04	0.0	0.06	0.0	0.0	0.0	0.0	0.26
5	0.03	0.04	0.50	0.0	0.01	0.0	0.01	0.02	0.05	0.0	0.0	0.0
6	0.06	0.01	0.01	0.27	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
7	0.0	0.18	0.0	0.03	0.0	0.0	0.01	0.0	0.25	0.0	0.0	0.0
8	0.02	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0
9	0.25	0.23	0.0	0.0	0.25	0.0	0.0	0.0	0.01	0.0	0.0	0.02
10	0.22	0.03	0.0	0.0	0.0	0.56	0.0	0.0	0.03	0.0	0.0	0.0
11	0.04	0.07	0.15	0.0	0.08	0.0	0.0	0.0	0.01	0.0	0.13	0.09
12	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
13	0.0	0.09	0.14	0.08	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.0
14	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.26	0.07	0.0	0.19	0.06	0.0	0.0	0.24	0.0	0.0	0.0	0.0
16	0.04	0.0	0.0	0.35	0.02	0.0	0.0	0.02	0.0	0.0	0.0	0.0
17	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.15
18	0.03	0.02	0.0	0.0	0.0	0.07	0.0	0.0	0.05	0.0	0.0	0.05
19	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.13	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
21	0.02	0.0	0.0	0.02	0.0	0.04	0.0	0.0	0.0	0.0	0.01	0.0
22	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0
23	0.0	0.0	0.09	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.69	0.68	0.0	0.0	0.0	0.0	0.0	0.0
25	0.03	0.0	0.0	0.26	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.08	0.0	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.03	0.0	0.41	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.24	0.01
29	0.02		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.44	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.0
31	0.0		0.04		0.0		0.0	0.0		0.0		0.06
TOTAL	1.32	1.35	1.42	3.36	1.24	1.42	0.34	0.59	0.71	0.02	1.46	0.79
STA AV												

Gaging: Values are amounts from unshielded recording gage 053493.
Station Averages: Not applicable to unshielded rain gage records.

1978 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO MACKS CREEK WATERSHED (046084)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.0	0.0	0.39	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.05
2	0.04	0.07	0.0	0.04	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0
3	0.03	0.42	0.44	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.10
4	0.0	0.0	0.29	0.20	0.07	0.0	0.08	0.0	0.0	0.0	0.0	0.28
5	0.04	0.06	0.74	0.0	0.02	0.0	0.01	0.02	0.05	0.0	0.0	0.0
6	0.07	0.01	0.01	0.32	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
7	0.0	0.23	0.0	0.04	0.0	0.0	0.01	0.0	0.25	0.0	0.0	0.0
8	0.03	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0
9	0.31	0.31	0.0	0.0	0.25	0.0	0.0	0.0	0.01	0.0	0.0	0.03
10	0.26	0.07	0.0	0.0	0.0	0.58	0.0	0.0	0.03	0.0	0.0	0.0
11	0.05	0.17	0.21	0.0	0.08	0.0	0.0	0.0	0.01	0.0	0.13	0.12
12	0.02	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
13	0.0	0.21	0.14	0.09	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.0
14	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.35	0.14	0.0	0.23	0.06	0.0	0.0	0.24	0.0	0.0	0.0	0.0
16	0.04	0.0	0.0	0.40	0.02	0.0	0.0	0.02	0.0	0.0	0.0	0.0
17	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.21
18	0.03	0.04	0.0	0.0	0.0	0.07	0.0	0.0	0.05	0.0	0.0	0.05
19	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.21	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
21	0.04	0.0	0.0	0.04	0.0	0.04	0.0	0.0	0.0	0.0	0.01	0.0
22	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0
23	0.0	0.0	0.09	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.71	0.73	0.0	0.0	0.0	0.0	0.0	0.0
25	0.06	0.0	0.0	0.26	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.16	0.0	1.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.06	0.0	0.44	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.26	0.01
29	0.04		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.46	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.52	0.0
31	0.0		0.05		0.0		0.0	0.0		0.0		0.06
TOTAL	1.68	2.01	2.01	3.81	1.30	1.49	0.38	0.59	0.71	0.03	1.61	0.91
STA AV												

Gaging: Values are amounts from shielded recording gage 053593.
Station Averages: Not applicable to shielded rain gage records.

1979	DAILY PRECIPITATION (INCHES)				REYNOLDS, IDAHO MACKS CREEK WATERSHED (046084)							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.04	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.06	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22
3	0.0	0.06	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
4	0.04	0.01	0.01	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.05	0.07
5	0.0	0.02	0.11	0.0	0.28	0.0	0.03	0.0	0.0	0.0	0.0	0.0
6	0.0	0.05	0.0	0.56	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.04	0.0	0.0	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.07	0.0	0.0	0.55	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
11	0.78	0.03	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.06	0.0	0.02	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0
13	0.0	0.12	0.0	0.02	0.0	0.0	0.0	2.32	0.0	0.0	0.0	0.0
14	0.56	0.34	0.0	0.0	0.02	0.0	0.0	0.17	0.0	0.0	0.0	0.0
15	0.04	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0
16	0.0	0.05	0.24	0.06	0.0	0.02	0.0	0.15	0.0	0.0	0.0	0.0
17	0.06	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.21	0.0
18	0.04	0.0	0.0	0.06	0.0	0.35	0.0	0.07	0.0	0.68	0.02	0.0
19	0.0	0.04	0.05	0.0	0.0	0.0	0.0	0.03	0.0	0.41	0.0	0.0
20	0.02	0.16	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.03	0.0	0.12
21	0.02	0.09	0.0	0.0	0.0	0.05	0.0	0.42	0.0	0.01	0.0	0.13
22	0.0	0.02	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.15	0.24	0.02
23	0.0	0.03	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.31
24	0.16	0.01	0.0	0.26	0.0	0.01	0.0	0.0	0.0	0.0	0.30	0.22
25	0.04	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.28	0.23	0.16	0.14
26	0.0	0.31	0.08	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.17	0.0
27	0.03	0.04	0.22	0.0	0.0	0.0	0.0	0.01	0.0	0.11	0.0	0.0
28	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0
29	0.0		0.02	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
30	0.0		0.0	0.05	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.04
31	0.0		0.06		0.0		0.0	0.02		0.01		0.02
TOTAL	2.68	1.60	1.93	2.15	1.64	0.54	0.11	3.44	0.28	2.05	1.29	1.36
STA AV	2.43	1.58	1.94	1.86	1.13	1.58	0.47	1.04	1.00	1.47	1.96	2.05

Air Temperature: See table for Watershed 68.001.
Gaging: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded). 'Actual' amounts were computed as per relationship developed by W. R. Hamon, "Computing Actual Precipitation", Proceedings of WMO-IAHS Symposium, Geilo, Norway, August, 1972. The equation used is: loge (U/A) = loge (U/S) x 1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.
Station Averages: 12 yr beginning 1966.

1979	DAILY PRECIPITATION (INCHES)				REYNOLDS, IDAHO MACKS CREEK WATERSHED (046084)							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.03	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.06	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12
3	0.0	0.05	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0
4	0.04	0.01	0.11	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.05	0.06
5	0.0	0.01	0.10	0.0	0.28	0.0	0.03	0.0	0.0	0.0	0.0	0.0
6	0.0	0.04	0.0	0.56	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.03	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.07	0.0	0.0	0.51	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
11	0.75	0.02	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.04	0.0	0.01	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0
13	0.0	0.09	0.0	0.01	0.0	0.0	0.0	2.29	0.0	0.0	0.0	0.0
14	0.14	0.26	0.0	0.0	0.02	0.0	0.0	0.16	0.0	0.0	0.0	0.0
15	0.01	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0
16	0.0	0.03	0.22	0.03	0.0	0.02	0.0	0.13	0.0	0.0	0.0	0.0
17	0.03	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.15	0.0
18	0.02	0.0	0.0	0.03	0.0	0.32	0.0	0.07	0.0	0.58	0.02	0.0
19	0.0	0.02	0.03	0.0	0.0	0.0	0.0	0.03	0.0	0.33	0.0	0.0
20	0.01	0.08	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.03	0.0	0.06
21	0.01	0.05	0.0	0.0	0.0	0.04	0.0	0.41	0.0	0.01	0.0	0.07
22	0.0	0.01	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.13	0.18	0.01
23	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.17
24	0.09	0.0	0.0	0.17	0.0	0.01	0.0	0.0	0.0	0.0	0.17	0.12
25	0.02	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.12	0.19	0.09	0.08
26	0.0	0.17	0.04	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.09	0.0
27	0.02	0.02	0.12	0.0	0.0	0.0	0.0	0.01	0.0	0.09	0.0	0.0
28	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
29	0.0		0.01	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
30	0.0		0.0	0.05	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.02
31	0.0		0.03		0.0		0.0	0.02		0.01		0.01
TOTAL	2.03	1.04	0.77	1.68	1.03	0.50	0.11	3.37	0.12	1.70	0.87	0.78
STA AV												

Gaging: Values are amounts from unshielded recording gage 053493.
Station Averages: Not applicable to unshielded rain gage records.

1979 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO MACKS CREEK WATERSHED (0460064)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.03	0.0	0.09	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]
2	0.06	0.0	0.0	0.14	0.0	0.0	0.0	0.0	[illegible]	0.0	[illegible]	[illegible]
3	0.7	0.06	0.10	0.0	0.0	0.0	0.0	0.0	[illegible]	0.0	[illegible]	[illegible]
4	0.04	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]	0.05	[illegible]
5	0.0	0.01	0.11	0.0	0.28	0.0	0.03	0.0	0.0	[illegible]	[illegible]	[illegible]
6	0.0	0.04	0.0	0.56	0.09	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]
7	0.0	0.03	0.0	0.0	0.26	0.0	0.0	0.0	0.0	[illegible]	[illegible]	[illegible]
8	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]
9	0.07	0.0	0.0	0.53	0.15	0.0	0.0	0.0	[illegible]	0.0	0.0	0.0
10	0.76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]	[illegible]
11	0.75	0.02	0.0	0.23	0.0	0.0	0.0	0.0	0.0	[illegible]	0.0	[illegible]
12	0.0	0.04	0.0	0.01	0.0	0.0	0.0	0.07	0.0	0.0	[illegible]	0.0
13	0.0	0.09	0.0	0.02	0.0	0.0	0.0	2.30	0.0	0.0	0.0	[illegible]
14	0.29	0.31	0.0	0.0	0.02	0.0	0.0	0.16	0.0	0.0	[illegible]	[illegible]
15	0.02	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.19	[illegible]	[illegible]
16	0.0	0.04	0.22	0.05	0.0	0.02	0.0	0.14	0.0	[illegible]	0.0	[illegible]
17	0.03	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.16	[illegible]
18	0.02	0.0	0.0	0.03	0.0	0.33	0.0	0.07	[illegible]	0.62	0.02	0.0
19	0.0	0.02	0.04	0.0	0.0	0.0	0.0	0.03	[illegible]	0.34	[illegible]	[illegible]
20	0.01	0.12	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.03	[illegible]	0.09
21	0.01	0.07	0.0	0.0	0.0	0.04	0.0	0.41	0.0	0.01	0.0	0.09
22	0.0	0.01	0.0	0.04	0.0	0.0	0.0	0.0	0.0	[illegible]	0.23	[illegible]
23	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]
24	0.12	0.01	0.0	0.19	0.0	0.01	0.0	0.0	[illegible]	[illegible]	[illegible]	[illegible]
25	0.02	0.0	0.0	0.0	0.0	0.08	0.0	[illegible]	0.19	[illegible]	0.11	[illegible]
26	0.0	0.24	0.06	0.0	0.0	0.01	0.0	0.0	0.0	[illegible]	0.12	[illegible]
27	0.03	0.03	0.17	0.0	0.0	0.0	0.0	0.01	[illegible]	0.10	0.0	[illegible]
28	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.17	0.0	0.0
29	0.0		0.01	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
30	0.0		0.0	0.05	0.0	0.0	0.0	0.07	0.0	0.0	0.0	[illegible]
31	0.0		0.04		0.0		0.0	0.02		0.01		0.01
TOTAL	2.23	1.27	0.87	1.89	1.31	0.51	0.11	3.39	0.19	1.81	1.05	1.00
STA AV												

Gaging: Values are amounts from shielded recording gage 053593.
Station Averages: Not applicable to shielded rain gage records.

1978 MEAN DAILY DISCHARGE (CFS) REYNOLDS, IDAHO MACKS CREEK WATERSHED (0460064)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.694	1.529	4.344	11.719	13.457	0.822	0.550	0.086	0.047	0.047	0.062	1.054
2	1.305	1.597	3.987	10.811	11.340	0.749	0.615	0.086	0.047	0.047	0.057	0.510
3	1.151	8.981	4.647	8.732	9.693	0.695	0.583	0.079	0.047	0.047	0.062	0.375
4	1.113	5.878	6.379	9.098	8.723	0.680	0.569	0.073	0.047	0.047	0.068	0.797
5	1.267	4.622	18.584	7.569	8.065	0.634	0.473	0.071	0.047	0.047	0.068	0.686
6	2.026	6.157	20.540	8.627	5.894	0.678	0.501	0.074	0.042	0.047	0.068	0.389
7	1.470	6.730	13.638	8.603	4.562	0.664	0.491	0.063	0.042	0.042	0.068	0.231
8	1.394	6.070	14.542	7.219	3.941	0.567	0.500	0.047	0.042	0.038	0.080	0.164
9	1.602	5.318	15.805	6.120	3.248	0.540	0.458	0.052	0.030	0.038	0.118	0.233
10	2.034	4.683	13.624	5.656	3.831	0.645	0.307	0.048	0.030	0.038	0.100	0.394
11	2.226	3.944	11.886	4.915	3.354	0.673	0.285	0.032	0.038	0.038	0.123	0.505
12	2.795	3.570	10.137	4.690	3.095	0.605	0.252	0.028	0.038	0.038	0.181	0.477
13	2.391	3.514	8.476	4.622	2.736	0.546	0.220	0.035	0.038	0.038	0.171	0.367
14	2.370	3.275	7.020	4.496	2.381	0.542	0.200	0.047	0.038	0.038	0.168	0.329
15	3.616	2.989	6.324	4.215	2.451	0.528	0.191	0.047	0.034	0.038	0.170	0.334
16	3.157	2.636	6.335	6.174	2.593	0.505	0.181	0.047	0.034	0.038	0.246	0.265
17	4.844	2.831	8.867	4.773	2.282	0.513	0.181	0.047	0.038	0.038	0.309	0.361
18	3.802	2.676	12.134	4.329	1.822	0.579	0.181	0.042	0.038	0.038	0.322	0.459
19	3.538	4.229	13.707	3.967	1.724	0.598	0.163	0.038	0.038	0.038	0.319	0.380
20	3.312	7.322	13.822	4.404	1.637	0.561	0.173	0.042	0.042	0.042	0.296	0.361
21	2.935	6.704	12.885	4.357	1.519	0.575	0.181	0.047	0.047	0.047	0.296	0.419
22	2.613	5.966	12.899	4.041	1.415	0.566	0.200	0.047	0.047	0.047	0.296	0.419
23	1.767	5.681	14.526	3.581	1.563	0.468	0.181	0.047	0.047	0.047	0.273	0.432
24	1.675	5.850	12.326	2.948	2.102	0.446	0.180	0.047	0.042	0.047	0.285	0.506
25	2.305	5.912	10.572	2.208	1.962	0.884	0.204	0.047	0.038	0.047	0.287	0.426
26	2.116	6.429	10.311	32.405	1.649	0.732	0.180	0.047	0.038	0.047	0.278	0.297
27	1.803	5.347	10.650	43.132	1.285	0.592	0.138	0.047	0.042	0.047	0.179	0.467
28	1.767	4.946	10.473	26.353	1.174	0.487	0.138	0.042	0.047	0.047	0.359	0.356
29	1.756		9.689	19.388	1.010	0.439	0.130	0.042	0.047	0.052	0.713	0.181
30	1.624		9.598	16.011	0.871	0.442	0.114	0.047	0.047	0.062	0.922	0.147
31	1.592		9.410		0.911		0.093	0.047		0.068		0.122
MEAN	2.196	4.832	10.908	9.505	3.622	0.599	0.284	0.052	0.041	0.045	0.233	0.401
INCHES	0.206	0.410	1.026	0.865	0.341	0.054	0.027	0.005	0.004	0.004	0.021	0.036
STA AV	0.503	0.284	0.703	0.547	0.218	0.067	0.016	0.006	0.005	0.015	0.031	0.105

Station Averages: 16 yr beginning 1963.
Conversion Factor: CFS to IN/DAY, multiply by 0.0023034.

1979 MEAN DAILY DISCHARGE (CFS) REYNOLDS, IDAHO MACKS CREEK WATERSHED (046084)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.11	0.53	1.41	2.48	1.60	0.47	0.11	0.01	0.01	0.02	0.05	0.38
2	0.10	0.54	1.11	2.49	1.59	0.41	0.10	0.01	0.01	0.01	0.05	0.86
3	0.11	0.54	1.24	2.45	1.60	0.34	0.09	0.01	0.01	0.01	0.05	1.41
4	0.11	0.56	1.94	2.51	1.49	0.29	0.09	0.01	0.01	0.01	0.06	1.06
5	0.11	0.68	18.94	2.30	1.73	0.24	0.09	0.01	0.01	0.01	0.06	0.89
6	0.11	3.32	38.62	3.31	2.09	0.21	0.07	0.01	0.01	0.01	0.07	0.75
7	0.11	14.38	23.91	4.18	2.48	0.18	0.07	0.01	0.01	0.01	0.08	0.69
8	0.11	6.26	10.52	3.41	3.10	0.16	0.06	0.01	0.01	0.01	0.08	0.68
9	0.11	5.82	6.27	6.37	8.61	0.16	0.05	0.01	0.01	0.01	0.08	0.68
10	18.35	5.02	5.24	5.31	7.94	0.17	0.05	0.01	0.01	0.01	0.09	0.63
11	101.46	18.65	5.48	5.80	5.65	0.17	0.05	0.01	0.01	0.02	0.10	0.31
12	9.32	9.08	6.74	5.54	4.56	0.17	0.05	0.01	0.01	0.02	0.11	0.52
13	1.61	29.27	6.04	5.48	3.75	0.15	0.05	0.43	0.01	0.02	0.11	0.53
14	1.47	16.43	5.18	4.78	3.16	0.15	0.04	0.01	0.01	0.02	0.10	0.59
15	1.38	3.65	5.55	4.49	2.84	0.15	0.04	0.00	0.01	0.02	0.09	0.63
16	1.03	2.08	8.20	4.42	2.70	0.16	0.04	0.01	0.01	0.02	0.13	0.54
17	0.85	1.75	5.70	4.57	2.41	0.17	0.04	0.01	0.01	0.02	0.25	0.56
18	0.79	1.66	4.47	4.15	2.21	0.18	0.04	0.01	0.01	0.03	0.32	0.55
19	0.73	1.57	4.10	3.62	2.26	0.22	0.04	0.02	0.01	0.03	0.24	0.60
20	0.73	1.41	3.74	3.36	2.16	0.20	0.04	0.02	0.02	0.04	0.18	0.66
21	0.74	1.48	3.43	3.40	2.07	0.17	0.04	0.01	0.02	0.04	0.18	0.68
22	0.57	1.38	3.19	3.13	1.87	0.17	0.03	0.01	0.02	0.04	0.21	0.56
23	0.52	1.32	3.10	3.22	1.56	0.17	0.02	0.01	0.02	0.04	0.35	0.27
24	0.62	1.24	3.06	3.83	1.47	0.16	0.02	0.01	0.02	0.04	0.67	0.72
25	0.58	1.36	3.18	2.97	0.99	0.15	0.01	0.01	0.02	0.04	0.55	0.80
26	0.53	1.68	3.11	2.22	0.82	0.15	0.01	0.01	0.02	0.04	0.45	0.64
27	0.51	1.46	3.42	2.00	0.71	0.14	0.01	0.01	0.02	0.04	0.32	0.48
28	0.51	1.61	3.28	2.02	0.68	0.12	0.01	0.01	0.02	0.04	0.29	0.57
29	0.56		3.12	1.50	0.58	0.10	0.01	0.01	0.02	0.04	0.30	0.44
30	0.56		2.79	1.54	0.55	0.11	0.01	0.01	0.02	0.04	0.27	0.50
31	0.53		2.60		0.51		0.01	0.01		0.04		0.68
MEAN	4.6747	4.8483	6.4094	3.5486	2.4433	0.1545	0.0441	0.0207	0.0129	0.0246	0.1963	0.6423
INCHES	0.440	0.412	0.603	0.323	0.230	0.018	0.004	0.002	0.001	0.002	0.018	0.060
STA AV	0.499	0.293	0.696	0.531	0.219	0.063	0.015	0.006	0.005	0.014	0.030	0.102

Station Averages: 17 yr beginning 1963.
Conversion Factor: CFS to IN/DAY, multiply by 0.003034.

1978 SELECTED RUNOFF EVENT REYNOLDS, IDAHO MACKS CREEK WATERSHED (046084)

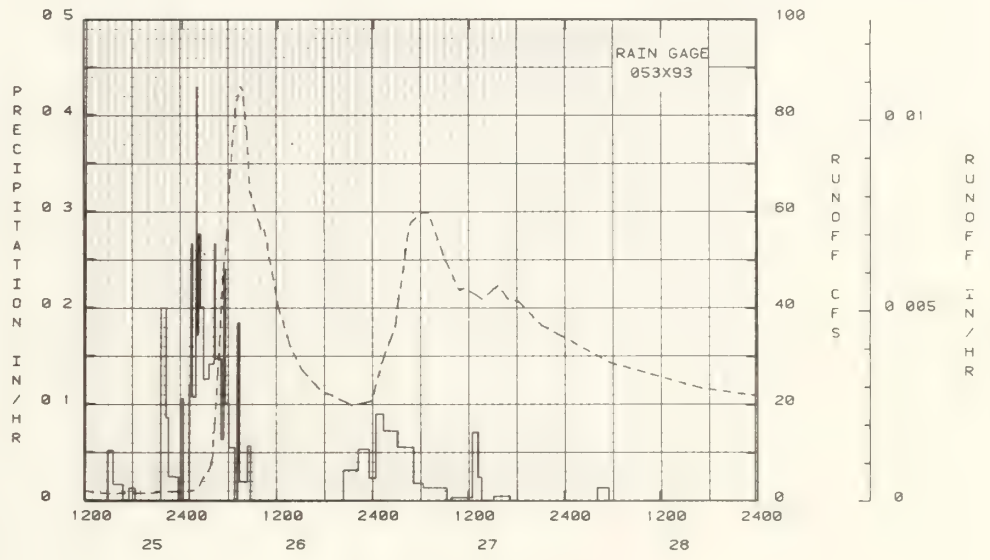
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 25 - 28, 1978							
RG 053X93			RG 053X93							
4-25	0.0	0.004	4-25	1445	0.0	0.0	4-25	1213	1.978	0.0
				1531	0.0522	0.04		1301	1.569	0.0002
				1644	0.0164	0.06		1509	1.434	0.0006
				1730	0.0	0.06		1700	1.569	0.0009
				1815	0.0133	0.07		1929	1.479	0.0014
WATERSHED CONDITIONS:										
Topography is steep, except				2128	0.0	0.07		2016	1.569	0.0016
in the lower valley, with				2137	0.2000	0.10		2129	1.923	0.0018
numerous basalt outcrops at				2207	0.2000	0.20		2400	1.923	0.0024
the higher elevations. 98%				2228	0.0857	0.23	4-26	102	2.035	0.0027
is sagebrush rangeland with				2317	0.0245	0.25		139	2.213	0.0029
a varying vegetative cover										
of sagebrush, bitterbrush,				2342	0.0240	0.26		220	3.130	0.0031
mountain mahogany, and willow			4-26	2	0.0	0.26		255	5.040	0.0034
with a fair cover of forage				19	0.1059	0.29		343	6.871	0.0040
plants such as cheatgrass,				104	0.0	0.29		402	9.670	0.0043
bluebunch wheatgrass, and				114	0.1200	0.31		413	15.590	0.0046
Idaho fescue. 35% has a										
cover of 0-25%, 33% has a				123	0.2667	0.35		419	17.422	0.0048
cover of 26-50%. 18% has a				151	0.1071	0.40		436	26.184	0.0056
cover of 51-75%, and 12% has				158	0.4286	0.45		451	32.926	0.0065
a cover of 76-100%. 2%				212	0.1714	0.49		513	46.575	0.0084
of area, in pasture and				225	0.2769	0.55		542	54.966	0.0115
haycrops, receives limited										
irrigation.				249	0.2000	0.63		608	68.956	0.0149
				332	0.1256	0.72		644	81.541	0.0206
				410	0.1421	0.81		718	86.053	0.0266
				419	0.2667	0.85		735	65.138	0.0296
				504	0.1467	0.96		812	76.338	0.0359
				523	0.0632	0.98		832	64.309	0.0389
				533	0.2400	1.02		958	56.340	0.0498
				603	0.1000	1.07		1023	56.340	0.0528
				647	0.0505	1.11		1126	47.188	0.0597
				709	0.0	1.11		1211	40.181	0.0638

Conversion Factor: CFS to IN/HR, multiply by .00012640.

1978 SELECTED RUNOFF EVENT REYNOLDS, IDAHO MACKS CREEK WATERSHED (046084)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 25 - 28, 1978 (CONTINUED)							
			4-26	722	0.1846	1.15	4-26	1343	31.967	0.0708
				825	0.0190	1.17		1511	27.024	0.0763
				846	0.0571	1.19		1723	22.998	0.0832
				2023	0.0	1.19		2125	19.735	0.0941
				2216	0.0319	1.25		2400	20.766	0.1007
				2334	0.0538	1.32	4-27	25	24.160	0.1019
				2400	0.0231	1.33		138	31.027	0.1062
			4-27	26	0.0231	1.34		216	33.413	0.1087
				126	0.0900	1.43		256	36.954	0.1117
				314	0.0722	1.50		314	41.297	0.1132
				514	0.0550	1.67		405	50.978	0.1181
				623	0.0174	1.69		418	54.287	0.1196
				923	0.0133	1.73		445	57.737	0.1228
				955	0.0	1.73		609	59.875	0.1332
				1235	0.0038	1.74		656	59.875	0.1391
				1317	0.0714	1.79		850	50.978	0.1524
				1342	0.0240	1.80		1053	43.590	0.1647
				1514	0.0	1.80		1126	44.177	0.1677
				1715	0.0050	1.81		1342	41.863	0.1800
			4-28	412	0.0	1.81		1542	44.769	0.1910
				537	0.0141	1.83		1655	41.863	0.1977
								1817	41.297	0.2048
								2107	36.433	0.2188
								2400	33.904	0.2316
							4-28	542	28.758	0.2541
								1716	23.381	0.2923
								2400	21.873	0.3115

Conversion Factor: CFS to IN/HR, multiply by .00012640.



EVENT OF APRIL 25 - 28, 1978

REYNOLDS, IDAHO MACKS CREEK WATERSHED (046084)

1979 SELECTED RUNOFF EVENT — REYNOLDS, IDAHO MACKS CREEK WATERSHED (046084)

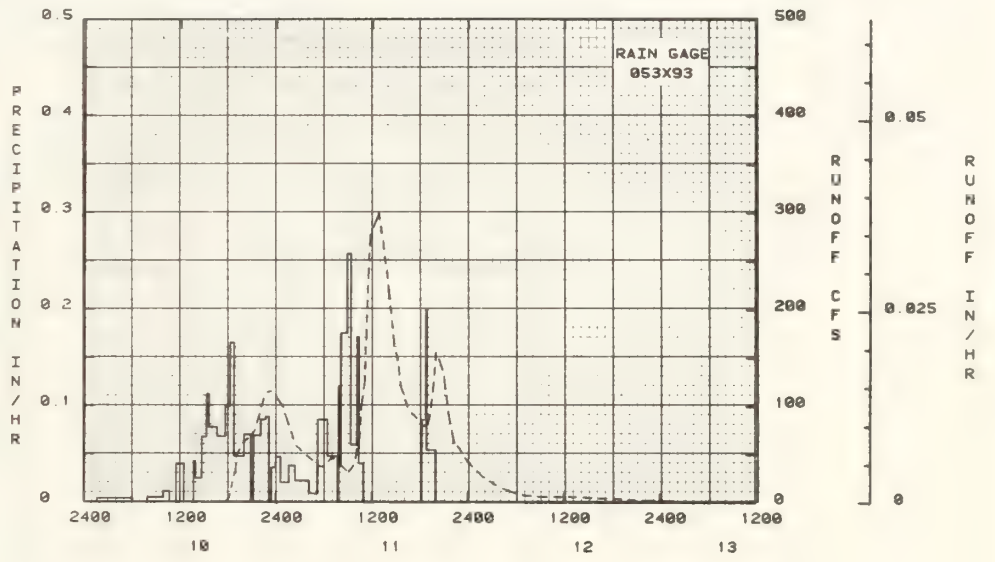
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JANUARY 10 - 13, 1979						
	BG 053X93			BG 053X93						
1-10	0.0	0.000	1-10	135	0.0	0.0	1-10	1534	0.122	0.0
				603	0.0045	0.02		1634	0.172	0.0000
				753	0.0	0.02		1712	0.319	0.0000
				949	0.0052	0.03		1736	0.566	0.0001
				1040	0.0118	0.04		1740	0.969	0.0001
WATERSHED CONDITIONS:										
Topography is steep, except				1130	0.0	0.04		1754	2.275	0.0001
in the lower valley, with				1230	0.0400	0.08		1811	5.040	0.0002
numerous basalt outcrops at				1343	0.0	0.08		1818	8.818	0.0003
the higher elevations. 98%				1357	0.0429	0.09		1826	15.297	0.0005
is sagebrush rangeland with				1445	0.0250	0.11		1836	20.786	0.0009
a varying vegetative cover										
of sagebrush, bitterbrush,				1520	0.0686	0.15		1855	32.926	0.0020
mountain mahogany, and willow				1536	0.1125	0.18		1912	49.693	0.0035
with a fair cover of forage				1638	0.0774	0.26		1928	55.650	0.0053
plants such as cheatgrass,				1740	0.0677	0.33		1957	62.807	0.0089
bluebunch wheatgrass, and				1816	0.1000	0.39		2039	66.605	0.0134
Idaho fescue. 35% has a										
cover of 0-25%. 33% has a				1845	0.1655	0.47		2058	69.751	0.0174
cover of 26-50%. 18% has a				2001	0.0474	0.53		2124	75.493	0.0214
cover 51-75%, and 12% has				2052	0.0706	0.59		2159	91.684	0.0275
a cover of 76-100%. 2%				2116	0.0	0.59		2232	107.889	0.0345
of area, in pasture and				2208	0.0692	0.65		2257	114.426	0.0403
haycrops, receives limited										
irrigation.				2243	0.0857	0.70		2324	115.540	0.0469
				2310	0.0889	0.74		2400	110.039	0.0554
				2327	0.0	0.74	1-11	54	98.558	0.0673
				2400	0.0364	0.76		137	79.781	0.0754
			1-11	38	0.0474	0.79		232	58.444	0.0834
				137	0.0203	0.81		355	47.806	0.0927
				224	0.0383	0.84		535	36.954	0.1016
				410	0.0226	0.88		600	36.954	0.1035
				517	0.0090	0.89		656	46.575	0.1085
				627	0.0857	0.99		717	45.365	0.1105
				743	0.0474	1.05		849	32.926	0.1181
				750	0.0	1.05		910	32.444	0.1195
				755	0.1200	1.06		944	38.545	0.1221
				811	0.0375	1.07		1003	47.806	0.1238
				852	0.1756	1.19		1028	65.834	0.1268
				920	0.2571	1.31		1046	102.635	0.1300
				1011	0.0588	1.36		1110	130.694	0.1359
				1025	0.1714	1.40		1119	179.445	0.1388
				1055	0.0400	1.42		1132	235.410	0.1445
				1819	0.0	1.42		1147	277.198	0.1526
				1847	0.0857	1.46		1247	297.927	0.1890
				1853	0.2000	1.48		1248	300.104	0.1896
				2000	0.0537	1.54		1323	269.260	0.2106
								1408	217.853	0.2337
								1449	162.045	0.2501
								1516	147.118	0.2589
								1539	120.071	0.2653
								1630	98.558	0.2771
								1819	78.911	0.2975
								1851	79.781	0.3028
								1909	83.326	0.3059
								1927	99.567	0.3094
								1947	124.718	0.3141
								2001	155.141	0.3182
								2033	145.808	0.3284
								2052	136.858	0.3340
								2109	124.718	0.3387
								2129	101.605	0.3435
								2150	81.541	0.3475
								2223	61.329	0.3525
								2244	58.444	0.3551
								2400	42.433	0.3632
							1-12	201	25.770	0.3719
								336	17.422	0.3762
								433	14.165	0.3781
								601	9.450	0.3803
								700	7.688	0.3814
								855	6.151	0.3831
								956	6.017	0.3839
								1243	5.886	0.3859

Conversion Factor: CFS to IN/HR, multiply by .000126&0.

1979 SELECTED RUNOFF EVENT — REYNOLDS, IDAHO HACKS CREEK WATERSHED (046084)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 10 - 13, 1979 (CONTINUED)							
							1-12	1436	5.509	0.3873
								1723	4.198	0.3890
								2205	2.338	0.3910
								2323	2.213	0.3913
								2400	2.093	0.3915
							1-13	145	1.714	0.3919
								903	1.151	0.3932
								1042	1.228	0.3935
								1147	1.391	0.3937

Conversion Factor: CFS to IN/HR, multiply by .00012640.



EVENT OF JANUARY 10 - 13, 1979

REYNOLDS, IDAHO HACKS CREEK WATERSHED (046084)

REYNOLDS, IDAHO TOLLGATE WATERSHED (116083)

LOCATION: Owyhee County, Idaho; about 33 miles southwest of Nampa; main stem of Reynolds Creek which is tributary to the Snake River. Lat. 43 deg. 8 min. 33 sec. N.; Long. 116 deg. 45 min. 42 sec. W.

AREA: 13453.00 acres 21.02 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — REYNOLDS, IDAHO TOLLGATE WATERSHED (116083)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.74	3.64	1.76	4.82	0.86	0.91	0.59	1.05	0.90	0.07	2.37	1.85	21.56
1978	Q	0.256	0.379	1.831	3.086	3.667	1.199	0.263	0.056	0.063	0.077	0.088	0.104	11.068
	P	3.25	3.78	1.45	2.19	2.33	0.47	0.10	2.08	0.16	3.33	2.70	1.45	23.29
1979	Q	0.273	0.321	0.697	1.041	3.267	0.765	0.101	0.029	0.011	0.057	0.081	0.099	6.741
STA AV	P	4.26	2.88	2.89	2.29	1.40	1.59	0.63	1.24	1.02	2.08	3.21	3.58	27.06
	Q	0.626	0.441	1.121	1.815	3.414	1.519	0.269	0.054	0.038	0.086	0.140	0.234	9.756

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	4-26	0.017	4-26	0.017	4-26	0.033	4-26	0.087	4-26	0.149	4-26	0.251	4-26	0.451	4-25	1.414
1979	1-11	0.009	1-11	0.008	1-11	0.016	1-11	0.041	5-16	0.078	5-16	0.148	5-16	0.288	5-15	1.094
MAXIMUMS FOR PERIOD OF RECORD																
	1-21	0.030	1-21	0.029	1-21	0.057	1-21	0.157	1-21	0.283	1-20	0.454	1-20	0.612	5-12	1.970
	1969		1969		1969		1969		1969		1969		1969		1975	

Watershed Conditions: Watershed is generally sagebrush rangeland except for scattered stands of Douglas fir, aspen, and mountain meadows. The topography is steep with numerous rock outcrops on the ridges. The watershed is used mainly for cattle grazing except during the winter when snow blankets most of the area. Vegetation consists predominantly of big sagebrush, little sagebrush, rabbitbrush, snowberry, blue bunch wheatgrass, Idaho fescue, and squirreltail grass. 25% of the area has a vegetative cover of 0-25%, 15% of the area has a vegetative cover of 26-50%, 15% of the area has a vegetative cover of 51-75%, and 45% of the area has a vegetative cover of 76-100%.

Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Pub. 1262, page 68.4-6.

Precipitation: Records began 1963. 'Computed Actual' amounts from rain gage 155X07. STA AV values are based on 12 yr beginning 1968.

Runoff: Records began 1967. STA AV values based on 13 yr beginning 1967.

Long-Term Precipitation: National Weather Service records at Boise, Idaho; 50 miles N.E. of watershed.

1978 DAILY PRECIPITATION (INCHES) — REYNOLDS, IDAHO TOLLGATE WATERSHED (116083)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.01	0.0	0.84	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.07
2	0.04	0.26	0.0	0.05	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0
3	0.07	0.47	0.21	0.0	0.0	0.0	0.14	0.0	0.01	0.0	0.0	0.05
4	0.0	0.0	0.19	0.35	0.08	0.0	0.04	0.0	0.03	0.0	0.0	0.76
5	0.07	0.10	0.51	0.0	0.08	0.0	0.17	0.04	0.11	0.0	0.0	0.05
6	0.21	0.12	0.01	0.19	0.0	0.0	0.0	0.0	0.27	0.0	0.0	0.01
7	0.0	0.35	0.0	0.10	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0
8	0.13	0.0	0.11	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.40	0.0
9	0.39	0.40	0.0	0.0	0.16	0.0	0.0	0.0	0.08	0.0	0.01	0.02
10	0.08	0.80	0.0	0.0	0.04	0.38	0.0	0.0	0.02	0.0	0.0	0.0
11	0.17	0.37	0.22	0.0	0.07	0.0	0.0	0.0	0.05	0.0	0.14	0.12
12	0.22	0.03	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.02
13	0.0	0.26	0.03	0.06	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.02
14	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.41	0.26	0.0	0.38	0.10	0.0	0.0	0.26	0.0	0.0	0.0	0.0
16	0.22	0.0	0.0	0.52	0.01	0.0	0.0	0.26	0.0	0.0	0.0	0.0
17	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.36
18	0.01	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.03	0.0	0.0	0.11
19	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
20	0.0	0.0	0.0	0.34	0.0	0.05	0.0	0.0	0.0	0.0	0.02	0.0
21	0.04	0.0	0.0	0.13	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.07
22	0.04	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.34	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.01	0.0	0.05	0.30	0.0	0.0	0.0	0.0	0.0	0.0
25	0.06	0.0	0.0	0.34	0.01	0.02	0.0	0.0	0.0	0.0	0.0	0.0
26	0.11	0.12	0.0	1.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.03	0.0	0.16	0.05	0.03	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.40	0.09
29	0.03		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.42	0.0
30	0.0		0.0	0.01	0.0	0.04	0.0	0.0	0.0	0.0	0.97	0.0
31	0.0		0.09		0.0		0.0	0.0		0.0		0.08
TOTAL	2.74	3.64	1.76	4.82	0.86	0.91	0.59	1.05	0.90	0.07	2.37	1.85
STA AV	4.35	2.79	3.02	2.30	1.31	1.69	0.68	1.16	1.10	1.97	3.25	3.77

Air Temperature: See table for Watersheds 68.001 and 68.014.

Gaging: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded). 'Actual' amounts were computed as per relationship developed by W. R. Hamon, "Computing Actual Precipitation", Proceedings of WMO-IAHS Symposium, Geilo, Norway, August, 1972. The equation used is: loge (U/A) = loge (U/S) x 1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.

Station Averages: 11 yr beginning 1968.

Cooperative Research Project of USDA and USDI and Idaho Agricultural Experiment Station

1978	DAILY PRECIPITATION (INCHES)					REYNOLDS, IDAHO TOLLGATE WATERSHED (116083)						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.01	0.0	0.57	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.07
2	0.04	0.26	0.0	0.08	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0
3	0.07	0.47	0.16	0.0	0.0	0.0	0.13	0.0	0.01	0.0	0.0	0.04
4	0.0	0.0	0.15	0.30	0.05	0.0	0.04	0.0	0.03	0.0	0.0	0.66
5	0.05	0.10	0.47	0.0	0.05	0.0	0.17	0.04	0.10	0.0	0.0	0.04
6	0.15	0.12	0.01	0.18	0.0	0.0	0.0	0.0	0.24	0.0	0.0	0.01
7	0.0	0.26	0.0	0.10	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0
8	0.09	0.0	0.10	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.34	0.0
9	0.28	0.28	0.0	0.0	0.16	0.0	0.0	0.0	0.07	0.0	0.01	0.02
10	0.05	0.48	0.0	0.0	0.04	0.37	0.0	0.0	0.02	0.0	0.0	0.0
11	0.11	0.24	0.19	0.0	0.07	0.0	0.0	0.0	0.04	0.0	0.13	0.07
12	0.13	0.01	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01
13	0.0	0.16	0.03	0.04	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.01
14	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.35	0.14	0.0	0.29	0.10	0.0	0.0	0.20	0.0	0.0	0.0	0.0
16	0.12	0.0	0.0	0.40	0.01	0.0	0.0	0.20	0.0	0.0	0.0	0.0
17	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.21
18	0.01	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.03	0.0	0.0	0.07
19	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
20	0.0	0.0	0.0	0.23	0.0	0.04	0.0	0.0	0.0	0.0	0.02	0.0
21	0.03	0.0	0.0	0.09	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.04
22	0.03	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.29	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.01	0.0	0.05	0.25	0.0	0.0	0.0	0.0	0.0	0.0
25	0.04	0.0	0.0	0.32	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
26	0.06	0.11	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.03	0.0	0.16	0.05	0.03	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.30	0.05
29	0.02		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.36	0.0
30	0.0		0.0	0.01	0.0	0.04	0.0	0.0	0.0	0.0	0.83	0.0
31	0.0		0.09		0.0		0.0	0.0		0.0		0.06
TOTAL	1.91	2.70	1.55	3.92	0.78	0.83	0.58	0.82	0.81	0.07	2.00	1.37
STA AV												

Gaging: Values are amounts from unshielded recording gage 155407.
Station Averages: Not applicable to unshielded rain gage records.

1978	DAILY PRECIPITATION (INCHES)					REYNOLDS, IDAHO TOLLGATE WATERSHED (116083)						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.01	0.0	0.70	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.07
2	0.04	0.26	0.0	0.08	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0
3	0.07	0.47	0.18	0.0	0.0	0.0	0.13	0.0	0.01	0.0	0.0	0.05
4	0.0	0.0	0.19	0.32	0.07	0.0	0.04	0.0	0.03	0.0	0.0	0.71
5	0.07	0.10	0.49	0.0	0.07	0.0	0.17	0.04	0.10	0.0	0.0	0.04
6	0.18	0.12	0.01	0.18	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.01
7	0.0	0.30	0.0	0.10	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0
8	0.11	0.0	0.11	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.37	0.0
9	0.33	0.32	0.0	0.0	0.16	0.0	0.0	0.0	0.08	0.0	0.01	0.02
10	0.07	0.61	0.0	0.0	0.04	0.37	0.0	0.0	0.02	0.0	0.0	0.0
11	0.14	0.30	0.21	0.0	0.07	0.0	0.0	0.0	0.04	0.0	0.13	0.09
12	0.16	0.02	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01
13	0.0	0.20	0.03	0.04	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.01
14	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.36	0.19	0.0	0.34	0.10	0.0	0.0	0.24	0.0	0.0	0.0	0.0
16	0.17	0.0	0.0	0.47	0.01	0.0	0.0	0.24	0.0	0.0	0.0	0.0
17	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.26
18	0.01	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.03	0.0	0.0	0.08
19	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
20	0.0	0.0	0.0	0.26	0.0	0.05	0.0	0.0	0.0	0.0	0.02	0.0
21	0.03	0.0	0.0	0.10	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.05
22	0.04	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.31	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.01	0.0	0.05	0.27	0.0	0.0	0.0	0.0	0.0	0.0
25	0.04	0.0	0.0	0.32	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
26	0.07	0.11	0.0	1.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.03	0.0	0.16	0.05	0.03	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.34	0.07
29	0.02		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.37	0.0
30	0.0		0.0	0.01	0.0	0.04	0.0	0.0	0.0	0.0	0.87	0.0
31	0.0		0.09		0.0		0.0	0.0		0.0		0.07
TOTAL	2.26	3.08	1.67	4.29	0.82	0.86	0.58	0.96	0.86	0.07	2.12	1.55
STA AV												

Gaging: Values are amounts from shielded recording gage 155507.
Station Averages: Not applicable to shielded rain gage records.

1979	DAILY PRECIPITATION (INCHES)				REYNOLDS, IDAHO TOLLGATE WATERSHED (116083)							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.02	0.13	0.02	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.01	0.0	0.02	0.29	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.44
3	0.0	0.06	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0
4	0.01	0.01	0.02	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.12	0.04
5	0.01	0.04	0.05	0.0	0.62	0.0	0.0	0.0	0.0	0.0	0.03	0.0
6	0.0	0.24	0.0	0.52	0.32	0.01	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.30	0.0	0.01	0.53	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.19	0.0	0.0	0.49	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.73	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
11	1.42	0.05	0.0	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.01	0.14	0.0	0.04	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0
13	0.0	0.48	0.0	0.02	0.0	0.0	0.0	1.10	0.0	0.0	0.0	0.0
14	0.58	0.49	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
15	0.02	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0
16	0.04	0.27	0.13	0.07	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.0
17	0.04	0.0	0.01	0.14	0.0	0.0	0.0	0.01	0.0	0.0	0.18	0.0
18	0.02	0.02	0.0	0.04	0.0	0.28	0.0	0.03	0.0	1.41	0.38	0.0
19	0.0	0.16	0.01	0.01	0.0	0.0	0.0	0.03	0.0	0.68	0.0	0.0
20	0.01	0.16	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.08	0.0	0.02
21	0.03	0.12	0.0	0.0	0.0	0.03	0.0	0.17	0.0	0.08	0.0	0.18
22	0.0	0.08	0.09	0.08	0.0	0.0	0.0	0.0	0.0	0.21	0.49	0.06
23	0.0	0.17	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.12
24	0.03	0.15	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.01	0.70	0.21
25	0.03	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.03	0.34	0.17	0.23
26	0.0	0.23	0.13	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.30	0.0
27	0.04	0.04	0.47	0.32	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0
28	0.02	0.55	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.09	0.0	0.0
29	0.0		0.07	0.0	0.0	0.0	0.0	0.04	0.0	0.01	0.0	0.0
30	0.0		0.04	0.01	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.01
31	0.01		0.13		0.0		0.0	0.0		0.05		0.11
TOTAL	3.25	3.78	1.45	2.19	2.33	0.47	0.10	2.08	0.16	3.33	2.70	1.45
STA AV	4.26	2.88	2.89	2.29	1.40	1.59	0.63	1.24	1.02	2.08	3.21	3.58

Air Temperature: See table for Watersheds 68.001 and 68.014.
Gaging: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded). 'Actual' amounts were computed as per relationship developed by W. R. Hamon, "Computing Actual Precipitation", Proceedings of WMO-IAHS Symposium, Geilo, Norway, August, 1972. The equation used is: loge (U/A) = loge (U/S) x 1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.
Station Averages: 12 yr beginning 1968.

1979	DAILY PRECIPITATION (INCHES)				REYNOLDS, IDAHO TOLLGATE WATERSHED (116083)							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.02	0.08	0.01	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.01	0.0	0.01	0.20	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.39
3	0.0	0.06	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0
4	0.01	0.01	0.01	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.12	0.04
5	0.01	0.03	0.03	0.0	0.53	0.0	0.0	0.0	0.0	0.0	0.03	0.0
6	0.0	0.15	0.0	0.50	0.24	0.01	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.20	0.0	0.01	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.16	0.0	0.0	0.42	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.61	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
11	1.19	0.03	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.01	0.14	0.0	0.03	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0
13	0.0	0.48	0.0	0.02	0.0	0.0	0.0	1.03	0.0	0.0	0.0	0.0
14	0.32	0.49	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
15	0.02	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0
16	0.03	0.16	0.13	0.07	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.0
17	0.03	0.0	0.01	0.13	0.0	0.0	0.0	0.01	0.0	0.0	0.10	0.0
18	0.02	0.01	0.0	0.04	0.0	0.28	0.0	0.03	0.0	1.41	0.21	0.0
19	0.0	0.09	0.01	0.01	0.0	0.0	0.0	0.03	0.0	0.64	0.0	0.0
20	0.01	0.09	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.07	0.0	0.01
21	0.03	0.07	0.0	0.0	0.0	0.03	0.0	0.13	0.0	0.07	0.0	0.09
22	0.0	0.05	0.09	0.08	0.0	0.0	0.0	0.0	0.0	0.16	0.27	0.03
23	0.0	0.09	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.06
24	0.03	0.09	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.01	0.55	0.10
25	0.03	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.03	0.34	0.10	0.12
26	0.0	0.13	0.13	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.19	0.0
27	0.04	0.02	0.38	0.02	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0
28	0.02	0.34	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.09	0.0	0.0
29	0.0		0.04	0.0	0.0	0.0	0.0	0.03	0.0	0.01	0.0	0.0
30	0.0		0.02	0.01	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.01
31	0.01		0.07		0.0		0.0	0.0		0.05		0.10
TOTAL	2.59	2.75	1.13	1.88	1.70	0.45	0.10	1.91	0.16	3.22	1.78	0.98
STA AV												

Gaging: Values are amounts from unshielded recording gage 155407.
Station Averages: Not applicable to unshielded rain gage records.

1979 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO TOILGATE WATERSHED (116083)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.02	0.11	0.01	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.01	0.0	0.01	0.24	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.40
3	0.0	0.06	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0
4	0.01	0.01	0.01	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.12	0.04
5	0.01	0.03	0.04	0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.03	0.0
6	0.0	0.17	0.0	0.51	0.26	0.01	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.24	0.0	0.01	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.17	0.0	0.0	0.43	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.66	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
11	1.30	0.04	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.01	0.14	0.0	0.03	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0
13	0.0	0.48	0.0	0.02	0.0	0.0	0.0	1.07	0.0	0.0	0.0	0.0
14	0.44	0.49	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
15	0.02	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0
16	0.08	0.21	0.13	0.07	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.0
17	0.03	0.0	0.01	0.13	0.0	0.0	0.0	0.01	0.0	0.0	0.13	0.0
18	0.02	0.01	0.0	0.04	0.0	0.28	0.0	0.03	0.0	1.41	0.28	0.0
19	0.0	0.11	0.01	0.01	0.0	0.0	0.0	0.03	0.0	0.65	0.0	0.0
20	0.01	0.11	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.07	0.0	0.02
21	0.03	0.09	0.0	0.0	0.0	0.03	0.0	0.15	0.0	0.07	0.0	0.16
22	0.0	0.06	0.09	0.08	0.0	0.0	0.0	0.0	0.0	0.18	0.37	0.06
23	0.0	0.10	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.11
24	0.03	0.12	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.01	0.63	0.16
25	0.03	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.03	0.34	0.13	0.19
26	0.0	0.16	0.13	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.26	0.0
27	0.04	0.12	0.40	0.02	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0
28	0.02	0.44	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.09	0.0	0.0
29	0.0		0.05	0.0	0.0	0.0	0.0	0.03	0.0	0.01	0.0	0.0
30	0.0		0.02	0.01	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.01
31	0.01		0.08		0.0		0.0	0.0		0.05		0.10
TOTAL	2.88	3.11	1.23	1.97	1.89	0.46	0.10	2.00	0.16	3.25	2.21	1.28
STA AV												

Gaging: Values are amounts from shielded recording gage 155507.
Station Averages: Not applicable to shielded rain gage records.

1978 MEAN DAILY DISCHARGE (CFS) REYNOLDS, IDAHO TOILGATE WATERSHED (116083)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.02	3.62	7.77	84.26	86.13	35.75	9.37	1.49	0.48	1.21	1.61	3.52
2	4.55	3.61	7.43	70.32	88.32	35.22	9.81	1.35	0.39	1.28	1.64	2.12
3	4.42	8.83	7.70	59.95	85.33	34.96	9.26	1.23	0.31	1.34	1.59	1.77
4	3.94	7.59	8.48	57.69	78.54	34.39	9.17	1.09	0.42	1.32	1.51	4.42
5	3.84	7.82	12.83	48.28	72.42	33.73	9.54	1.03	0.51	1.31	1.53	3.56
6	4.38	10.30	13.38	45.77	65.63	32.91	8.41	1.01	1.24	1.29	1.45	1.52
7	3.88	11.22	13.68	41.62	63.22	32.19	7.44	0.84	2.10	1.27	1.59	1.23
8	3.99	10.30	24.02	40.36	62.51	31.17	7.04	0.69	1.66	1.28	1.71	1.44
9	4.27	9.13	26.57	39.55	65.16	29.99	6.36	0.67	1.30	1.30	2.08	1.79
10	4.28	8.18	23.05	44.16	83.13	35.85	5.80	0.80	1.37	1.26	1.26	2.00
11	4.30	7.90	20.75	48.51	79.46	31.43	5.61	0.67	1.50	1.29	1.51	1.92
12	4.63	8.31	17.45	44.55	72.80	27.59	5.29	0.57	1.45	1.37	1.60	1.89
13	4.38	6.96	14.82	41.81	77.61	25.50	4.86	1.44	1.38	1.41	1.55	1.89
14	4.59	6.53	13.13	41.79	92.12	24.46	4.44	1.61	1.31	1.43	1.58	2.00
15	6.21	6.26	12.64	44.66	90.26	23.29	4.00	1.28	1.23	1.41	1.56	1.67
16	6.22	5.85	12.91	51.82	77.26	21.77	3.81	1.93	1.19	1.44	1.54	1.79
17	7.31	6.04	22.49	46.56	68.41	19.34	3.89	1.65	1.31	1.48	1.61	1.81
18	6.35	5.75	34.39	45.15	65.50	18.91	3.65	1.52	1.55	1.50	1.66	1.79
19	6.03	6.64	42.11	43.76	66.14	18.07	3.28	1.19	1.62	1.49	1.69	1.71
20	5.63	7.38	42.81	46.11	67.46	16.56	2.91	0.98	1.54	1.46	1.76	1.68
21	5.42	7.49	42.99	42.10	69.09	14.47	2.86	0.84	1.45	1.51	1.79	1.64
22	5.02	7.75	52.99	41.64	67.71	13.17	2.73	0.88	1.29	1.51	1.76	1.69
23	3.99	8.11	56.37	39.91	63.51	12.11	2.51	1.11	1.20	1.51	1.65	1.71
24	4.56	8.49	46.65	40.15	59.63	11.68	2.17	0.88	1.15	1.50	1.57	1.74
25	4.61	8.61	44.89	54.34	51.83	13.11	2.04	0.68	1.06	1.49	1.60	1.57
26	4.32	9.10	52.06	138.01	45.71	11.44	2.26	0.80	1.02	1.54	1.48	1.77
27	4.06	8.42	60.00	115.68	43.51	10.38	2.35	0.88	0.98	1.55	1.17	1.79
28	3.93	7.90	65.18	100.53	44.28	9.86	2.19	0.78	1.06	1.52	1.77	1.75
29	3.87		71.52	95.46	42.93	9.35	1.97	0.65	1.17	1.57	2.19	1.68
30	3.75		79.05	89.75	39.82	9.29	1.79	0.53	1.19	1.45	2.81	1.14
31	3.75		84.59		37.50		1.63	0.47		1.42		1.23
MEAN	4.661	7.646	33.378	58.140	66.867	22.598	4.788	1.018	1.181	1.410	1.661	1.889
INCHES	0.256	0.379	1.831	3.086	3.667	1.199	0.263	0.056	0.063	0.077	0.088	0.104
STA AV	0.656	0.450	1.156	1.880	3.426	1.582	0.283	0.056	0.040	0.088	0.145	0.245

Station Averages: 12 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.001769.

1979 MEAN DAILY DISCHARGE (CFS) REYNOLDS, IDAHO TOLLGATE WATERSHED (116083)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.679	2.727	5.666	7.076	54.881	28.934	4.690	0.164	0.623	0.203	1.487	1.137
2	2.026	2.664	5.407	6.728	60.829	26.790	4.544	0.167	0.400	0.204	1.378	2.219
3	1.998	2.633	6.166	6.753	61.401	25.666	4.317	0.119	0.320	0.200	1.515	3.003
4	2.107	2.664	5.628	7.128	64.522	24.398	4.262	0.097	0.316	0.198	1.693	2.842
5	2.305	2.664	17.121	9.388	64.256	23.802	4.170	0.056	0.335	0.184	1.788	2.428
6	2.606	2.664	45.202	15.637	57.911	23.744	3.541	0.068	0.302	0.186	1.737	2.191
7	2.890	5.644	40.639	15.487	50.497	22.933	3.174	0.053	0.265	0.189	1.687	2.162
8	3.024	4.933	17.900	16.917	45.073	21.250	2.882	0.050	0.209	0.189	1.543	2.139
9	3.164	4.793	9.526	19.194	43.969	18.966	2.655	0.064	0.144	0.249	1.515	2.107
10	12.771	3.370	8.999	14.388	46.957	16.898	2.397	0.072	0.191	0.297	1.316	2.071
11	58.509	5.229	11.106	13.862	46.780	15.457	1.864	0.050	0.279	0.285	1.235	1.406
12	9.694	8.698	15.700	13.329	46.626	14.141	2.015	0.075	0.279	0.279	1.081	2.055
13	4.383	39.828	14.627	15.503	52.493	13.711	1.984	1.666	0.246	0.343	1.179	2.187
14	2.900	40.478	14.612	16.198	61.044	13.170	1.817	1.097	0.179	0.335	1.253	2.458
15	2.664	5.125	15.497	19.871	71.606	12.282	1.423	0.983	0.144	0.712	1.212	2.108
16	2.727	4.192	16.377	21.738	79.936	11.567	1.193	1.170	0.144	0.850	1.336	1.892
17	2.727	4.237	10.614	22.272	81.364	12.182	0.990	1.029	0.144	0.730	1.526	1.634
18	2.727	4.326	8.726	19.185	79.043	14.966	0.948	0.709	0.134	1.195	1.531	1.515
19	2.603	4.326	8.098	16.054	77.373	12.217	0.846	0.908	0.095	4.553	1.442	1.325
20	2.480	3.805	7.769	15.498	74.887	10.609	0.824	0.709	0.095	2.174	1.514	1.144
21	2.450	2.869	7.789	17.222	73.545	9.695	0.901	0.906	0.068	1.663	1.514	1.013
22	2.421	2.784	7.510	21.107	74.389	8.800	1.109	0.816	0.068	1.546	1.562	0.929
23	2.450	2.762	7.696	23.768	74.789	8.075	0.920	0.620	0.080	1.787	1.587	0.972
24	2.480	2.801	9.721	22.222	68.664	7.332	0.716	0.522	0.080	1.657	2.278	1.144
25	2.603	3.068	10.747	22.776	62.946	6.980	0.644	0.502	0.116	1.606	2.220	1.373
26	2.633	3.407	10.974	27.465	58.919	6.584	0.527	0.464	0.230	2.031	1.831	1.501
27	2.510	3.444	14.118	32.940	54.219	5.903	0.450	0.522	0.232	1.586	1.707	1.593
28	2.603	5.267	12.820	37.860	47.705	5.435	0.428	0.531	0.187	1.714	1.438	1.865
29	2.759		10.775	44.175	41.111	5.082	0.395	0.586	0.182	1.629	1.395	1.993
30	2.727		8.745	46.434	36.440	4.892	0.356	0.693	0.186	1.426	1.197	1.854
31	2.695		7.556		32.256		0.305	0.767		1.514		1.685
MEAN	4.978	6.479	12.704	19.606	59.562	14.415	1.848	0.524	0.209	1.036	1.523	1.805
INCHES	0.273	0.321	0.697	1.041	3.267	0.765	0.101	0.029	0.011	0.057	0.081	0.099
STA AV	0.626	0.441	1.121	1.815	3.414	1.519	0.269	0.054	0.038	0.086	0.140	0.234

Station Averages: 13 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.001769.

1978 SELECTED RUNOFF EVENT REYNOLDS, IDAHO TOLLGATE WATERSHED (116083)

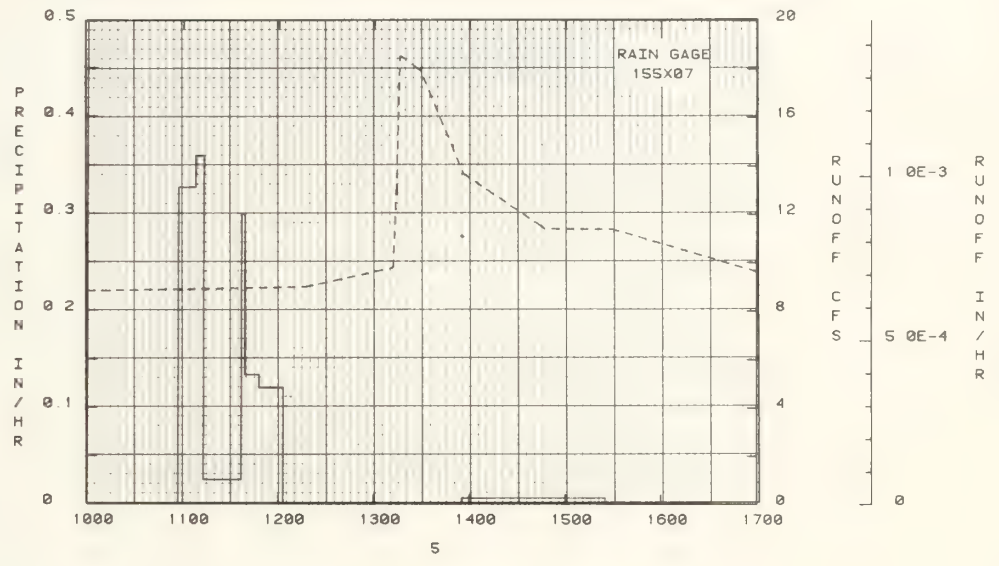
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JULY 5 - 12, 1978							
RG 155X07			RG 155X07							
7- 5	0.0	0.005	7- 5	1057	0.0	0.0	7- 5	840	8.822	0.0
				1108	0.3273	0.06		1217	8.976	0.0024
				1113	0.3600	0.09		1312	9.780	0.0030
				1137	0.0250	0.10		1314	13.197	0.0030
				1139	0.3000	0.11		1316	18.523	0.0031
WATERSHED CONDITIONS:										
Sagebrush rangeland and				1148	0.1333	0.13		1329	17.894	0.0034
scattered stands of Douglas				1203	0.1200	0.16		1356	13.643	0.0039
fir, aspen, and mountain				1355	0.0	0.16		1447	11.371	0.0047
meadows. Topography is				1525	0.0067	0.17		1529	11.371	0.0052
steep with numerous rock			7- 8	1258	0.0	0.17		1849	9.615	0.0078
outcrops on the ridges.										
Watershed mainly used for				1313	0.0400	0.18		2400	8.976	0.0114
cattle grazing except during							7- 6	950	8.976	0.0179
winter when snow blankets								1917	7.512	0.0236
most of the area. Vegetation								2400	7.651	0.0263
consists of big sagebrush,							7- 7	944	8.076	0.0319
little sagebrush, rabbitbrush,										
snowberry, blue bunch wheat-								1630	6.718	0.0356
grass, Idaho fescue, and								2400	7.108	0.0394
squirreltail grass. 25%							7- 8	922	7.651	0.0445
has a vegetative cover of								1922	6.344	0.0497
0-25%, 15% has a cover of								2400	6.592	0.0519
26-50%, 15% has a cover of										
51-75%, and 45% has a cover							7- 9	922	7.108	0.0566
of 76-100%.								1918	5.421	0.0612
								2400	5.755	0.0631
							7-10	920	6.467	0.0673
								1951	5.000	0.0718
								2400	5.531	0.0734
							7-11	854	6.344	0.0773
								2008	4.800	0.0819
								2400	5.103	0.0833
							7-12	745	6.103	0.0865

Conversion Factor: CFS to IN/HR, multiply by 0.00007372.

1978 SELECTED RUNOFF EVENT — REYNOLDS, IDAHO TCILGATE WATERSHED (116083)

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JULY 5 - 12, 1978 (CONTINUED)							
							7-12	1120	5.869	0.0881

Conversion Factor: CFS to IN/HR, multiply by 0.00007372.



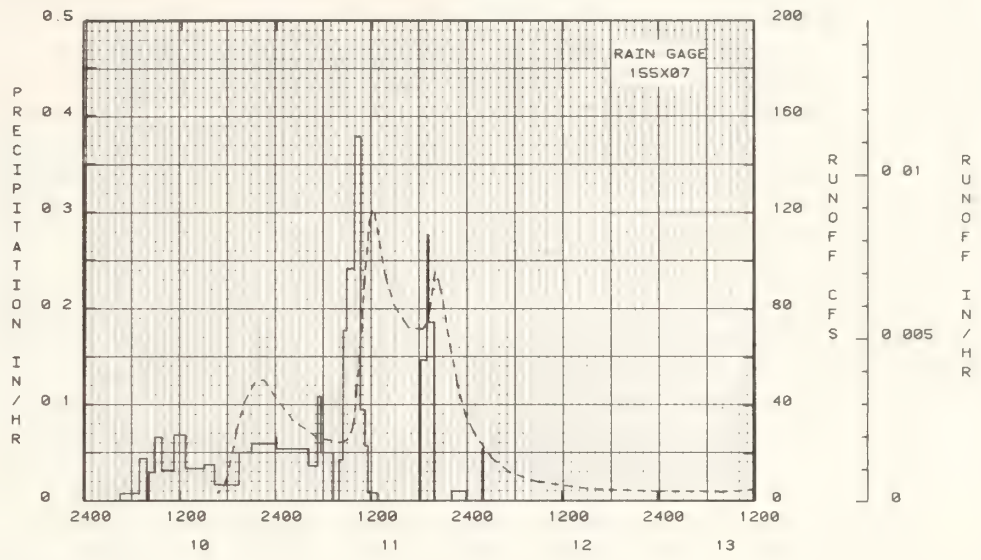
EVENT OF JULY 5 - 12, 1978

REYNOLDS, IDAHO TCILGATE WATERSHED (116083)

1979 SELECTED RUNOFF EVENT — REYNOLDS, IDAHO TOLLGATE WATERSHED (11C083)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 10 - 13, 1979							
RG 155X07			RG 155X07							
1-10	0.0	0.004	1-10	428	0.0	0.0	1-10	1641	3.570	0.0
				652	0.0083	0.02		1659	4.148	0.0001
				746	0.0444	0.06		1735	6.718	0.0003
				805	0.0	0.06		1802	11.184	0.0006
				845	0.0300	0.08		1834	20.196	0.0012
WATERSHED CONDITIONS:										
Sagebrush rangeland and				939	0.0667	0.14		1906	28.936	0.0022
scattered stands of Douglas				1114	0.0316	0.19		2006	41.401	0.0048
fir, aspen, and mountain				1241	0.0690	0.29		2122	49.394	0.0090
meadows. Topography is				1504	0.0336	0.37		2229	50.614	0.0132
steep with numerous rock				1623	0.0380	0.42		2400	43.035	0.0184
outcrops on the ridges.										
Watershed mainly used for				1925	0.0165	0.47	1-11	212	33.381	0.0246
cattle grazing except during				2059	0.0511	0.55		518	26.183	0.0314
winter when snow blankets				2400	0.0597	0.73		804	24.277	0.0366
most of the area. Vegetation			1-11	9	0.0667	0.74		905	25.807	0.0384
consists of big sagebrush,				412	0.0543	0.96		936	29.791	0.0395
little sagebrush, rabbitbrush,										
snowberry, blue bunch wheat-				518	0.0364	1.00		953	34.321	0.0402
grass, Idaho fescue, and				540	0.1091	1.04		1014	48.792	0.0412
squirreltail grass. 25%				716	0.0500	1.12		1041	67.590	0.0432
has a vegetative cover of				800	0.0	1.12		1107	90.686	0.0457
0-25%, 15% has a cover of				828	0.0429	1.14		1144	116.367	0.0504
26-50%, 15% has a cover of										
51-75%, and 45% has a cover				855	0.1778	1.22		1203	120.704	0.0532
of 76-100%.				952	0.2421	1.45		1222	119.610	0.0560
				1038	0.3783	1.74		1346	93.434	0.0670
				1116	0.0947	1.80		1455	81.072	0.0744
				1137	0.0571	1.82		1642	72.163	0.0844
				1250	0.0082	1.83		1824	71.387	0.0934
				1816	0.0	1.83		1903	74.524	0.0969
				1901	0.1467	1.94		1932	82.767	0.0997
				1914	0.2769	2.00		1953	92.512	0.1020
				1956	0.1857	2.13		2004	95.297	0.1033
				2210	0.0	2.13		2029	91.596	0.1061
				2400	0.0109	2.15		2051	86.227	0.1085
			1-12	20	0.0	2.15		2156	64.652	0.1146
				159	0.0	2.15		2258	47.014	0.1188
				210	0.0545	2.16		2400	34.798	0.1219
							1-12	111	27.275	0.1246
								309	17.894	0.1279
								531	11.754	0.1305
								851	8.076	0.1329
								1513	5.208	0.1361
								2400	4.148	0.1391
							1-13	752	3.975	0.1414

Conversion Factor: CFS to IN/HR, multiply by 0.00007372.



EVENT OF JANUARY 10 - 13, 1979

REYNOLDS, IDAHO TOLLGATE WATERSHED (116083)

LOCATION: Owyhee County, Idaho; about 37 miles southwest of Nampa, north flowing tributary to the east fork of Reynolds Creek, Snake River Basin. Lat. 43 deg. 4 min. 16 sec. N.; Long. 116 deg. 45 min. 27 sec. W.

AREA: 100.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	5.53	6.46	2.78	7.66	1.06	0.88	0.62	1.08	1.40	0.10	3.58	3.06	34.21
1978	Q	0.273	0.219	1.679	5.021	11.731	3.173	0.423	0.041	0.099	0.130	0.129	0.156	23.073
	P	6.42	6.35	2.52	3.59	2.85	0.57	0.25	3.04	0.04	3.39	5.15	2.97	37.14
1979	Q	0.197	0.148	0.276	1.621	9.981	2.208	0.186	0.095	0.053	0.179	0.172	0.172	15.288
STA AV	P	6.80	4.88	4.35	3.42	1.78	1.82	0.71	1.33	1.10	2.54	4.64	5.58	38.96
	Q	0.351	0.272	0.638	2.508	10.096	4.572	0.533	0.093	0.067	0.139	0.222	0.246	19.735

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	5-14	0.045	5-14	0.044	5-14	0.088	5-14	0.252	5-14	0.449	5-14	0.760	5-13	1.356	5- 9	4.271
1979	5-15	0.035	5-15	0.034	5-15	0.067	5-15	0.188	5-15	0.324	5-16	0.528	5-15	1.041	5-15	3.842
MAXIMUMS FOR PERIOD OF RECORD																
	6- 2 1975	0.092	6- 2 1975	0.079	6- 2 1975	0.143	6- 2 1975	0.400	6- 2 1975	0.692	6- 2 1975	1.117	6- 1 1975	2.013	5-30 1975	7.174

Watershed Conditions: Rangeland watershed with seasonal grazing of cattle and sheep. Scrub aspen, willow, scattered douglas fir, and sagebrush with natural mountain meadows. Vegetative cover varies with annual precipitation. Type of cover is 32% shrub and brush, 17% grass and forbes, and 9% rock and rock fragments.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1966, USDA Misc. Pub. 1226, page 68.13-4.
Precipitation: Records began 1963. 'Computed Actual' amounts from rain gage 176X07. STA AV values based on 12 yr beginning 1966.
Runoff: Records began 1966. STA AV values based on 14 yr beginning 1966.
Long-Term Precipitation: National Weather Service records at Boise, Idaho, 50 miles N.E. of watershed.

1978 DAILY AIR TEMPERATURE (DEGREES F) REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)

Day	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min
1	15	5	33	23	38	23	36	27	45	31	54	37	62	49	79	55	74	53	55	39	48	37	30	20
2	34	14	33	25	39	24	30	24	51	34	58	44	59	44	78	59	78	60	54	37	50	38	20	16
3	35	27	34	32	33	29	37	24	42	25	57	43	55	40	79	59	77	58	62	46	52	37	28	14
4	35	29	40	31	35	29	38	25	31	28	61	47	55	42	83	66	74	56	59	44	44	23	35	17
5	31	29	41	31	35	31	34	22	32	18	69	50	56	46	83	58	68	49	60	45	46	20	18	7
6	30	26	35	27	36	28	38	27	40	26	70	54	63	46	82	63	51	43	69	54	46	27	8	0
7	31	23	33	27	41	29	31	27	46	31	68	54	67	49	82	66	44	35	64	50	51	36	10	-5
8	37	30	29	23	42	35	39	29	53	33	73	51	65	46	82	64	52	32	65	48	50	30	20	7
9	35	26	30	24	40	27	43	27	61	37	64	44	73	55	82	65	60	40	67	53	29	10	23	20
10	32	29	25	20	39	22	55	37	51	35	44	34	68	49	78	63	45	35	60	47	11	8	28	17
11	30	27	20	17	42	25	48	27	39	29	55	35	67	49	79	56	44	33	59	45	17	8	32	19
12	31	29	24	11	26	21	40	23	55	28	65	47	66	49	73	50	48	34	50	38	18	14	19	10
13	38	29	28	19	29	20	45	30	63	44	63	47	75	57	50	36	55	39	58	39	20	10	37	13
14	41	30	29	18	27	18	45	29	54	50	58	40	78	62	58	38	54	41	67	49	23	10	29	21
15	33	26	25	16	37	19	42	30	52	29	52	34	80	58	70	45	59	35	69	56	31	14	24	9
16	34	29	22	10	51	31	34	20	39	31	54	34	61	45	51	37	54	32	58	43	33	23	32	11
17	32	26	27	15	51	37	33	19	45	31	62	42	65	43	50	35	38	27	57	41	30	22	31	22
18	29	22	31	22	58	40	41	25	46	33	57	45	71	52	61	39	32	26	52	37	35	24	23	17
19	31	27	36	31	48	39	48	31	53	37	60	47	72	52	69	50	43	28	58	43	46	29	14	7
20	30	26	39	27	52	33	31	21	63	43	63	48	66	49	70	53	51	33	55	41	38	27	18	9
21	33	23	41	25	49	39	35	23	65	47	67	50	70	49	69	53	55	39	46	29	34	27	23	17
22	24	15	45	29	45	37	40	25	50	33	70	50	76	59	58	39	61	46	50	30	28	23	24	19
23	19	14	41	32	40	28	40	26	39	27	67	47	85	63	63	40	64	48	57	30	27	20	28	21
24	28	15	39	32	38	26	51	45	35	25	59	32	83	62	66	47	70	55	53	30	31	19	29	22
25	34	22	37	29	54	35	47	37	38	24	48	34	82	64	65	45	74	58	51	27	20	18	24	15
26	29	21	33	23	57	39	40	33	46	30	58	48	83	67	59	44	76	59	57	42	26	15	29	19
27	35	21	26	18	56	42	36	33	55	36	67	47	75	61	62	44	69	52	57	44	29	14	27	10
28	36	26	34	20	57	42	46	34	58	41	66	53	79	60	67	49	63	44	56	38	31	24	10	-3
29	31	20			54	43	45	31	46	33	65	50	80	58	70	53	64	43	38	23	32	27	-2	-10
30	36	20			49	37	45	32	45	27	73	51	80	61	73	52	69	51	31	21	32	26	0	-10
31	30	24			45	36			49	31			79	60	67	47			43	28			-2	-10
AV.	32	24	33	23	43	31	40	28	48	32	62	45	71	53	70	51	59	43	56	40	34	22	22	11
MEAN	27.7		28.0		37.3		34.3		40.3		53.1		62.0		60.2		50.9		48.0		27.8		16.3	
STA AV	28	19	32	21	34	22	38	24	51	36	63	44	73	54	71	52	61	43	48	34	37	27	28	19

Station Averages: 13 yr beginning 1966.
Notes: Temperature data are taken from hygrothermograph record at station 176X14.

1978 DAILY AIR TEMPERATURE (DEGREES F) REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	-2	-10	14	3	20	12	22	13	43	34	59	41	63	39	88	57	67	48	71	50	33	22	32	23
2	23	-2	11	8	16	8	25	17	45	33	63	45	59	35	79	54	69	50	62	44	37	25	32	26
3	30	23	18	7	27	12	27	18	53	35	71	49	69	47	76	57	66	47	62	42	33	28	40	32
4	29	15	24	18	31	27	37	23	51	44	69	51	65	48	81	62	58	41	67	51	32	29	40	18
5	16	4	26	22	36	29	47	33	45	25	65	45	69	55	77	57	70	50	72	55	35	29	24	16
6	26	8	25	22	43	34	43	26	34	23	48	27	71	54	80	58	73	56	71	55	39	28	28	21
7	16	4	28	24	40	27	33	24	29	24	45	27	79	49	77	60	79	57	68	55	37	28	29	24
8	26	13	30	25	28	18	42	27	29	23	53	31	69	45	73	58	72	50	63	48	38	26	36	28
9	29	18	31	26	31	17	34	17	30	26	65	41	75	55	72	55	60	39	62	38	32	26	40	33
10	29	14	32	28	39	22	22	14	36	25	73	53	69	47	78	60	55	34	68	50	36	23	33	5
11	32	28	33	29	46	34	26	20	44	29	73	55	65	49	77	61	57	40	66	51	39	21	14	7
12	30	19	38	30	41	29	35	17	55	37	76	57	65	47	63	54	61	41	66	50	44	30	21	13
13	22	19	39	30	44	31	36	27	59	39	66	48	67	40	57	46	65	47	65	52	48	31	30	19
14	24	19	32	17	41	28	43	26	61	45	59	39	67	49	59	44	66	48	54	42	37	28	35	25
15	25	20	22	13	40	27	43	30	69	51	60	43	73	53	65	45	70	54	42	36	49	34	36	27
16	21	12	24	18	28	19	45	28	61	41	60	31	79	55	66	50	71	57	50	37	40	36	41	28
17	16	14	26	18	27	17	35	23	57	37	37	31	83	67	65	50	71	55	42	35	41	21	43	34
18	22	13	27	24	31	20	27	16	59	41	41	32	82	64	62	49	73	57	40	35	22	14	44	35
19	22	11	24	18	29	21	28	15	59	39	53	37	81	65	65	49	69	54	39	27	18	10	37	29
20	28	22	24	13	29	22	42	21	66	45	60	45	78	63	63	51	70	52	31	24	17	8	26	23
21	26	15	25	18	38	23	39	29	69	51	63	45	69	56	59	43	73	56	29	24	33	14	24	20
22	14	7	21	18	39	21	38	29	69	51	61	46	72	54	69	51	68	51	38	28	33	22	20	6
23	19	5	20	17	41	22	36	27	61	50	67	47	74	53	69	50	66	51	42	34	23	14	15	4
24	18	11	26	19	39	28	33	26	57	45	76	55	78	60	62	46	66	52	57	39	28	16	26	16
25	14	4	32	24	34	23	44	25	65	45	73	53	78	62	64	49	60	42	53	33	18	14	24	20
26	15	3	29	22	34	28	47	30	71	53	73	55	81	63	67	52	59	40	40	30	15	10	23	12
27	14	6	25	18	34	27	41	33	56	35	71	53	78	60	62	48	63	46	46	31	22	6	22	12
28	10	1	26	16	39	25	47	31	42	27	77	57	72	53	57	42	64	49	32	23	8	3	27	13
29	11	0			29	17	54	35	42	23	75	58	75	51	65	41	67	52	30	22	23	4	22	16
30	15	-1			23	17	47	37	47	27	61	41	76	57	56	41	62	50	35	20	26	18	31	16
31	13	0			22	15			53	35			81	57	58	40			29	22			30	23
AV.	20	10	26	19	34	23	37	25	52	37	63	45	73	53	68	51	66	49	51	38	31	21	30	20
MEAN	15.3		22.9		28.1		30.9		44.5		53.9		63.2		59.6		57.6		44.8		25.9		24.9	
STA AV	27	18	32	21	34	22	38	24	51	36	63	44	73	54	71	52	61	43	48	34	37	27	28	19

Station Averages: 14 yr beginning 1966.
Notes: Temperature data are taken from hygrothermograph record at station 176X14.

1978 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.04	0.0	1.36	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.11
2	0.04	0.60	0.0	0.14	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
3	0.08	0.93	0.50	0.04	0.0	0.0	0.07	0.0	0.01	0.0	0.0	0.15
4	0.0	0.02	0.28	0.46	0.10	0.0	0.11	0.0	0.02	0.0	0.0	1.23
5	0.25	0.22	0.93	0.05	0.05	0.0	0.21	0.04	0.15	0.0	0.0	0.0
6	0.69	0.26	0.0	0.53	0.0	0.0	0.01	0.0	0.44	0.0	0.0	0.02
7	0.0	0.59	0.0	0.15	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
8	0.18	0.0	0.04	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.0
9	0.50	0.88	0.0	0.0	0.09	0.0	0.0	0.0	0.10	0.0	0.02	0.12
10	0.46	0.77	0.0	0.0	0.05	0.44	0.0	0.0	0.08	0.0	0.06	0.0
11	0.38	0.73	0.32	0.0	0.16	0.0	0.0	0.0	0.11	0.0	0.15	0.22
12	0.25	0.05	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0
13	0.0	0.40	0.05	0.02	0.0	0.0	0.0	0.57	0.0	0.0	0.0	0.0
14	0.01	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.76	0.59	0.0	0.23	0.13	0.0	0.0	0.17	0.0	0.0	0.0	0.0
16	0.25	0.0	0.0	1.17	0.04	0.0	0.0	0.30	0.0	0.03	0.0	0.0
17	0.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.40
18	0.02	0.01	0.0	0.0	0.0	0.02	0.0	0.0	0.05	0.0	0.0	0.28
19	0.29	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
20	0.05	0.0	0.0	0.75	0.0	0.04	0.0	0.0	0.0	0.0	0.04	0.0
21	0.02	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.23
22	0.03	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.04
23	0.0	0.0	0.52	0.02	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.02	0.01	0.0	0.06	0.14	0.0	0.0	0.0	0.0	0.0	0.0
25	0.26	0.0	0.0	0.30	0.04	0.09	0.0	0.0	0.0	0.0	0.0	0.0
26	0.18	0.19	0.0	1.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.11	0.0	0.56	0.07	0.02	0.0	0.0	0.0	0.0	0.0	0.01
28	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.62	0.09
29	0.04		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.67	0.0
30	0.0		0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	1.46	0.0
31	0.0		0.10		0.0		0.0	0.0		0.0		0.10
TOTAL	5.53	6.46	2.78	7.66	1.06	0.88	0.62	1.08	1.40	0.10	3.58	3.06
STA AV	6.84	4.74	4.52	3.41	1.69	1.93	0.76	1.17	1.20	2.46	4.59	5.81

Gaging: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded) at Station 176X07. 'Actual' amounts were computed as per relationship developed by W. R. Hamon, "Computing Actual Precipitation", Proceedings of WMO-IAHS Symposium, Geilo, Norway, August, 1972. The equation used is: $\log_e (U/A) = \log_e (U/S) \times 1.80$, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.
Station Averages: 11 yr beginning 1968.

1978	DAILY PRECIPITATION (INCHES)					REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.02	0.0	0.81	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.08
2	0.02	0.29	0.0	0.08	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
3	0.04	0.46	0.32	0.02	0.0	0.0	0.07	0.0	0.01	0.0	0.0	0.12
4	0.0	0.01	0.20	0.28	0.06	0.0	0.11	0.0	0.02	0.0	0.0	0.94
5	0.12	0.10	0.70	0.03	0.03	0.0	0.20	0.04	0.15	0.0	0.0	0.0
6	0.34	0.11	0.0	0.32	0.0	0.0	0.01	0.0	0.44	0.0	0.0	0.01
7	0.0	0.25	0.0	0.09	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
8	0.10	0.0	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0
9	0.27	0.40	0.0	0.0	0.07	0.0	0.0	0.0	0.08	0.0	0.01	0.06
10	0.27	0.34	0.0	0.0	0.04	0.44	0.0	0.0	0.08	0.0	0.03	0.0
11	0.23	0.32	0.24	0.0	0.11	0.0	0.0	0.0	0.11	0.0	0.08	0.11
12	0.16	0.03	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
13	0.0	0.22	0.05	0.01	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0
14	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.37	0.29	0.0	0.13	0.10	0.0	0.0	0.16	0.0	0.0	0.0	0.0
16	0.11	0.0	0.0	0.65	0.04	0.0	0.0	0.27	0.0	0.03	0.0	0.0
17	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.20
18	0.01	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.04	0.0	0.0	0.14
19	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
20	0.02	0.0	0.0	0.37	0.0	0.03	0.0	0.0	0.0	0.0	0.03	0.0
21	0.01	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.11
22	0.01	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.02
23	0.0	0.0	0.31	0.01	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.01	0.0	0.0	0.05	0.12	0.0	0.0	0.0	0.0	0.0	0.0
25	0.13	0.0	0.0	0.29	0.03	0.08	0.0	0.0	0.0	0.0	0.0	0.0
26	0.09	0.12	0.0	1.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.07	0.0	0.38	0.06	0.02	0.0	0.0	0.0	0.0	0.0	0.01
28	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.45	0.05
29	0.02		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.53	0.0
30	0.0		0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.90	0.0
31	0.0		0.06		0.0		0.0	0.0		0.0		0.07
TOTAL	2.77	3.06	1.93	5.07	0.81	0.84	0.61	1.03	1.34	0.10	2.36	1.95
STA AV												

Gaging: Values are amounts from unshielded recording gage 176407.
Station Averages: Not applicable to unshielded rain gage records.

1978	DAILY PRECIPITATION (INCHES)					REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.03	0.0	1.07	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.08
2	0.03	0.43	0.0	0.10	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
3	0.06	0.68	0.42	0.02	0.0	0.0	0.07	0.0	0.01	0.0	0.0	0.14
4	0.0	0.02	0.23	0.38	0.08	0.0	0.11	0.0	0.02	0.0	0.0	1.10
5	0.19	0.16	0.84	0.04	0.03	0.0	0.21	0.04	0.15	0.0	0.0	0.0
6	0.51	0.18	0.0	0.43	0.0	0.0	0.01	0.0	0.44	0.0	0.0	0.01
7	0.0	0.41	0.0	0.12	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
8	0.14	0.0	0.04	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0
9	0.40	0.63	0.0	0.0	0.08	0.0	0.0	0.0	0.09	0.0	0.01	0.08
10	0.35	0.54	0.0	0.0	0.04	0.44	0.0	0.0	0.08	0.0	0.04	0.0
11	0.30	0.52	0.29	0.0	0.13	0.0	0.0	0.0	0.11	0.0	0.11	0.17
12	0.19	0.03	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
13	0.0	0.30	0.05	0.01	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0
14	0.01	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.57	0.44	0.0	0.18	0.11	0.0	0.0	0.17	0.0	0.0	0.0	0.0
16	0.18	0.0	0.0	0.91	0.04	0.0	0.0	0.28	0.0	0.03	0.0	0.0
17	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.30
18	0.01	0.01	0.0	0.0	0.0	0.02	0.0	0.0	0.05	0.0	0.0	0.21
19	0.21	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
20	0.03	0.0	0.0	0.57	0.0	0.03	0.0	0.0	0.0	0.0	0.03	0.0
21	0.01	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.17
22	0.02	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.03
23	0.0	0.0	0.40	0.01	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.01	0.0	0.0	0.06	0.12	0.0	0.0	0.0	0.0	0.0	0.0
25	0.20	0.0	0.0	0.29	0.03	0.08	0.0	0.0	0.0	0.0	0.0	0.0
26	0.15	0.15	0.0	1.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.08	0.0	0.45	0.06	0.02	0.0	0.0	0.0	0.0	0.0	0.01
28	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.54	0.06
29	0.04		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.60	0.0
30	0.0		0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	1.18	0.0
31	0.0		0.08		0.0		0.0	0.0		0.0		0.09
TOTAL	4.14	4.67	2.37	6.29	0.91	0.84	0.62	1.05	1.38	0.10	2.94	2.49
STA AV												

Gaging: Values are amounts from shielded recording gage 176507.
Station Averages: Not applicable to shielded rain gage records.

1978	DAILY PRECIPITATION (INCHES)					REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.15	0.22	0.04	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.01	0.0	0.05	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.57
3	0.0	0.27	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0
4	0.04	0.04	0.02	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.54	0.03
5	0.0	0.15	0.11	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.07	0.0
6	0.0	0.44	0.0	0.93	0.68	0.01	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.49	0.0	0.07	0.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.02	0.06	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.24	0.0	0.0	0.79	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.97	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
11	2.14	0.10	0.0	0.49	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
12	0.09	0.07	0.0	0.03	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0
13	0.0	0.39	0.0	0.01	0.0	0.0	0.0	1.69	0.0	0.0	0.0	0.0
14	0.93	0.57	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.01	0.0	0.0
15	0.17	0.05	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.0	0.0
16	0.06	0.41	0.32	0.04	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0
17	0.13	0.0	0.0	0.44	0.0	0.04	0.0	0.0	0.0	0.0	0.27	0.0
18	0.03	0.27	0.0	0.12	0.0	0.35	0.0	0.08	0.0	1.24	0.56	0.0
19	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.81	0.05	0.06
20	0.03	0.28	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.16	0.0	0.14
21	0.04	0.13	0.02	0.0	0.0	0.04	0.0	0.20	0.0	0.08	0.0	0.31
22	0.0	0.23	0.11	0.08	0.0	0.0	0.01	0.0	0.0	0.15	1.12	0.06
23	0.0	0.39	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.01	0.35	0.66
24	0.14	0.49	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	1.23	0.27
25	0.03	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.04	0.34	0.35	0.62
26	0.0	0.33	0.27	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.42	0.0
27	0.20	0.0	0.55	0.06	0.0	0.0	0.0	0.0	0.0	0.08	0.02	0.0
28	0.03	0.95	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.15	0.0	0.0
29	0.0		0.08	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0
30	0.0		0.08	0.0	0.0	0.0	0.0	0.08	0.0	0.02	0.0	0.02
31	0.03		0.16		0.0		0.0	0.01		0.07		0.21
TOTAL	6.42	6.35	2.52	3.59	2.85	0.57	0.25	3.04	0.04	3.39	5.15	2.97
STA AV	6.80	4.88	4.35	3.42	1.78	1.82	0.71	1.33	1.10	2.54	4.64	5.58

Gaging: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded) at Station 176X07. 'Actual' amounts were computed as per relationship developed by W. R. Hamon, "Computing Actual Precipitation", Proceedings of WMO-IAHS Symposium, Geilo, Norway, August, 1972. The equation used is: $\log_e (U/A) = \log_e (U/S) \times 1.80$, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.
Station Averages: 12 yr beginning 1968.

1979	DAILY PRECIPITATION (INCHES)					REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.02	0.10	0.02	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.01	0.0	0.02	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.31
3	0.0	0.10	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0
4	0.02	0.02	0.01	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.43	0.03
5	0.0	0.06	0.06	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.06	0.0
6	0.0	0.22	0.0	0.58	0.34	0.01	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.25	0.0	0.05	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.01	0.03	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.17	0.0	0.0	0.34	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.22	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
11	1.34	0.05	0.0	0.25	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
12	0.05	0.04	0.0	0.01	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0
13	0.0	0.24	0.0	0.01	0.0	0.0	0.0	1.55	0.0	0.0	0.0	0.0
14	0.42	0.36	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.01	0.0	0.0
15	0.07	0.03	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0
16	0.02	0.20	0.23	0.03	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0
17	0.04	0.0	0.0	0.29	0.0	0.04	0.0	0.0	0.0	0.0	0.10	0.0
18	0.01	0.13	0.0	0.06	0.0	0.34	0.0	0.08	0.0	1.07	0.21	0.0
19	0.0	0.10	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.68	0.02	0.04
20	0.03	0.14	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.14	0.0	0.08
21	0.04	0.07	0.01	0.0	0.0	0.04	0.0	0.20	0.0	0.06	0.0	0.19
22	0.0	0.12	0.06	0.05	0.0	0.0	0.01	0.0	0.0	0.12	0.56	0.04
23	0.0	0.20	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.27
24	0.05	0.25	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.13
25	0.01	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.04	0.26	0.22	0.31
26	0.0	0.17	0.16	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.25	0.0
27	0.07	0.0	0.30	0.03	0.0	0.0	0.0	0.0	0.0	0.06	0.01	0.0
28	0.01	0.40	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.12	0.0	0.0
29	0.0		0.04	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
30	0.0		0.04	0.0	0.0	0.0	0.0	0.07	0.0	0.02	0.0	0.02
31	0.01		0.08		0.0		0.0	0.01		0.06		0.20
TOTAL	3.60	3.20	1.41	1.98	1.59	0.56	0.25	2.86	0.04	2.86	2.90	1.64
STA AV												

Gaging: Values are amounts from unshielded recording gage 176407.
Station Averages: Not applicable to unshielded rain gage records.

1979	DAILY PRECIPITATION (INCHES)				REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.03	0.15	0.03	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.01	0.0	0.03	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.43
3	0.0	0.18	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0
4	0.04	0.02	0.02	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.50	0.03
5	0.0	0.11	0.08	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.07	0.0
6	0.0	0.31	0.0	0.77	0.53	0.01	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.36	0.0	0.07	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.02	0.04	0.0	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.27	0.0	0.0	0.57	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.60	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
11	1.77	0.07	0.0	0.33	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
12	0.05	0.06	0.0	0.02	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0
13	0.0	0.32	0.0	0.01	0.0	0.0	0.0	1.62	0.0	0.0	0.0	0.0
14	0.65	0.49	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.01	0.0	0.0
15	0.13	0.04	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0
16	0.04	0.32	0.26	0.04	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0
17	0.08	0.0	0.0	0.35	0.0	0.04	0.0	0.0	0.0	0.0	0.17	0.0
18	0.02	0.20	0.0	0.06	0.0	0.34	0.0	0.08	0.0	1.17	0.38	0.0
19	0.0	0.16	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.04	0.06
20	0.03	0.20	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.14	0.0	0.10
21	0.04	0.10	0.01	0.0	0.0	0.04	0.0	0.20	0.0	0.07	0.0	0.25
22	0.0	0.14	0.08	0.05	0.0	0.0	0.01	0.0	0.0	0.14	0.83	0.06
23	0.0	0.25	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.01	0.25	0.44
24	0.09	0.35	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.22
25	0.02	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.04	0.33	0.27	0.48
26	0.0	0.23	0.19	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.33	0.0
27	0.13	0.0	0.40	0.05	0.0	0.0	0.0	0.0	0.0	0.07	0.01	0.0
28	0.02	0.65	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.14	0.0	0.0
29	0.0		0.06	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0
30	0.0		0.06	0.0	0.0	0.0	0.0	0.07	0.0	0.02	0.0	0.02
31	0.02		0.12		0.0		0.0	0.01		0.07		0.20
TOTAL	5.03	4.63	1.85	2.71	2.26	0.56	0.25	2.94	0.04	3.15	3.95	2.31
STA AV												

Gaging: Values are amounts from shielded recording gage 176507.
Station Averages: Not applicable to shielded rain gage records.

1978	MEAN DAILY DISCHARGE (CFS)				REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.043	0.034	0.031	0.995	1.554	0.669	0.160	0.006	0.004	0.015	0.020	0.022
2	0.041	0.034	0.031	0.590	2.122	0.683	0.162	0.006	0.003	0.015	0.020	0.021
3	0.039	0.033	0.032	0.482	1.806	0.690	0.144	0.004	0.003	0.016	0.019	0.021
4	0.039	0.033	0.032	0.425	1.464	0.715	0.154	0.003	0.003	0.016	0.019	0.050
5	0.041	0.033	0.032	0.395	1.278	0.712	0.154	0.003	0.005	0.017	0.017	0.031
6	0.039	0.033	0.031	0.376	1.350	0.707	0.129	0.003	0.019	0.017	0.016	0.019
7	0.038	0.033	0.031	0.357	1.615	0.676	0.101	0.002	0.031	0.017	0.019	0.019
8	0.038	0.034	0.035	0.354	1.731	0.642	0.092	0.001	0.016	0.016	0.026	0.019
9	0.038	0.034	0.047	0.392	2.047	0.639	0.075	0.002	0.013	0.016	0.026	0.020
10	0.037	0.034	0.046	0.508	2.399	0.718	0.063	0.002	0.016	0.016	0.013	0.020
11	0.037	0.034	0.043	0.684	1.866	0.576	0.057	0.002	0.021	0.017	0.013	0.020
12	0.037	0.033	0.039	0.601	1.877	0.511	0.053	0.002	0.017	0.016	0.013	0.021
13	0.037	0.032	0.036	0.575	2.293	0.500	0.047	0.015	0.015	0.018	0.013	0.021
14	0.037	0.032	0.035	0.604	2.991	0.463	0.040	0.007	0.014	0.019	0.013	0.020
15	0.038	0.032	0.035	0.640	2.443	0.426	0.037	0.006	0.013	0.018	0.013	0.019
16	0.038	0.032	0.037	0.617	1.947	0.391	0.036	0.021	0.011	0.018	0.013	0.019
17	0.036	0.032	0.054	0.496	1.767	0.371	0.035	0.009	0.013	0.018	0.013	0.018
18	0.035	0.031	0.078	0.468	1.647	0.369	0.031	0.009	0.017	0.019	0.016	0.018
19	0.036	0.031	0.101	0.558	1.722	0.344	0.028	0.009	0.022	0.019	0.018	0.019
20	0.036	0.031	0.131	0.592	1.668	0.325	0.025	0.007	0.020	0.019	0.022	0.019
21	0.035	0.032	0.154	0.477	1.725	0.304	0.024	0.005	0.018	0.019	0.023	0.019
22	0.035	0.032	0.237	0.441	1.552	0.278	0.022	0.005	0.016	0.018	0.022	0.020
23	0.035	0.033	0.341	0.424	1.353	0.243	0.018	0.007	0.015	0.018	0.021	0.020
24	0.034	0.034	0.312	0.496	1.254	0.231	0.015	0.006	0.014	0.018	0.020	0.020
25	0.034	0.034	0.274	1.067	1.030	0.258	0.012	0.004	0.012	0.019	0.019	0.020
26	0.035	0.033	0.357	1.825	0.881	0.211	0.012	0.004	0.012	0.019	0.019	0.019
27	0.035	0.032	0.542	1.192	0.830	0.182	0.011	0.005	0.012	0.019	0.016	0.019
28	0.035	0.032	0.708	1.446	0.851	0.178	0.012	0.005	0.013	0.019	0.015	0.019
29	0.035		0.888	1.581	0.803	0.156	0.010	0.005	0.014	0.019	0.018	0.019
30	0.034		1.088	1.438	0.723	0.164	0.009	0.004	0.015	0.016	0.021	0.019
31	0.034		1.213		0.698		0.007	0.003		0.016		0.019
MEAN	0.0370	0.0329	0.2275	0.7032	1.5899	0.4444	0.0573	0.0055	0.0139	0.0176	0.0180	0.0211
INCHES	0.273	0.219	1.679	5.021	11.731	3.173	0.423	0.041	0.099	0.130	0.129	0.156
STA AV	0.363	0.282	0.665	2.576	10.105	4.754	0.560	0.093	0.068	0.136	0.226	0.252

Station Averages: 13 yr beginning 1966.
Conversion Factor: CFS to IN/DAY, multiply by 0.238017.

1979 MEAN DAILY DISCHARGE (CFS) REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (16E076)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.014	0.028	0.018	0.033	1.333	0.632	0.061	0.004	0.010	0.009	[illegible]	[illegible]
2	0.019	0.028	0.018	0.032	1.786	0.618	0.056	0.004	0.008	0.010	[illegible]	[illegible]
3	0.019	0.028	0.018	0.031	1.450	0.608	0.053	0.003	0.007	0.010	[illegible]	[illegible]
4	0.019	0.028	0.018	0.032	1.617	0.597	0.063	0.005	0.007	[illegible]	0.027	[illegible]
5	0.019	0.029	0.021	0.036	1.119	0.620	0.059	0.002	0.008	0.010	0.032	0.026
6	0.020	0.032	0.042	0.044	0.800	0.567	0.044	0.002	0.007	0.010	0.029	0.026
7	0.020	0.031	0.054	0.046	0.631	0.487	0.037	0.002	0.006	0.010	0.028	[illegible]
8	0.020	0.025	0.071	0.059	0.563	0.404	0.035	0.003	0.005	0.011	0.027	[illegible]
9	0.020	0.021	0.056	0.074	0.527	0.412	0.025	0.003	0.006	0.012	0.025	0.026
10	0.020	0.020	0.046	0.064	0.570	0.390	0.030	0.003	0.008	0.013	[illegible]	[illegible]
11	0.023	0.019	0.040	0.056	0.830	0.367	0.031	0.002	0.008	0.013	0.019	0.024
12	0.031	0.019	0.040	0.052	1.190	0.340	0.029	0.007	0.008	0.013	0.017	0.023
13	0.035	0.019	0.044	0.051	1.465	0.322	0.028	0.079	0.007	0.013	0.017	0.023
14	0.034	0.019	0.043	0.059	1.609	0.291	0.026	0.027	0.007	0.014	0.017	0.023
15	0.034	0.020	0.047	0.083	2.039	0.260	0.022	0.018	0.006	0.022	0.017	0.023
16	0.035	0.020	0.049	0.119	2.127	0.240	0.019	0.033	0.006	0.018	0.022	0.022
17	0.035	0.019	0.044	0.144	2.048	0.239	0.017	0.019	0.006	0.018	0.026	0.020
18	0.035	0.019	0.040	0.126	2.097	0.300	0.016	0.015	0.007	0.054	0.022	0.020
19	0.034	0.019	0.034	0.110	2.011	0.235	0.013	0.015	0.007	0.082	0.023	0.021
20	0.032	0.019	0.032	0.100	1.915	0.201	0.013	0.012	0.007	0.034	0.024	0.021
21	0.029	0.019	0.032	0.111	1.853	0.176	0.017	0.024	0.006	0.031	0.023	0.022
22	0.028	0.019	0.031	0.178	1.859	0.161	0.017	0.012	0.006	0.031	0.022	0.023
23	0.028	0.019	0.031	0.241	1.785	0.135	0.010	0.009	0.006	0.045	0.024	0.022
24	0.028	0.020	0.034	0.229	1.578	0.114	0.011	0.009	0.006	0.034	0.028	0.022
25	0.028	0.020	0.037	0.315	1.417	0.113	0.009	0.008	0.010	0.040	0.029	0.023
26	0.028	0.020	0.038	0.548	1.313	0.109	0.008	0.007	0.010	0.035	0.026	0.022
27	0.027	0.019	0.036	0.756	1.165	0.093	0.009	0.009	0.009	0.031	0.024	0.022
28	0.027	0.018	0.036	0.881	0.959	0.076	0.007	0.013	0.009	0.032	0.024	0.022
29	0.027		0.036	1.085	0.837	0.068	0.006	0.014	0.008	0.029	0.024	0.022
30	0.027		0.035	1.113	0.735	0.066	0.006	0.018	0.008	0.028	0.024	0.022
31	0.028		0.034		0.667		0.005	0.017		0.028		0.022
MEAN	0.0267	0.0221	0.0374	0.2271	1.3527	0.3092	0.0252	0.0129	0.0074	0.0243	0.0241	0.0233
INCHES	0.197	0.148	0.276	1.621	9.981	2.208	0.186	0.095	0.053	0.179	0.172	0.172
STA AV	0.351	0.272	0.638	2.508	10.096	4.572	0.533	0.093	0.067	0.139	0.222	0.246

Station Averages: 14 yr beginning 1966.
Conversion Factor: CFS to IN/DAY, multiply by 0.238017.

1978 SELECTED RUNOFF EVENT REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (16E076)

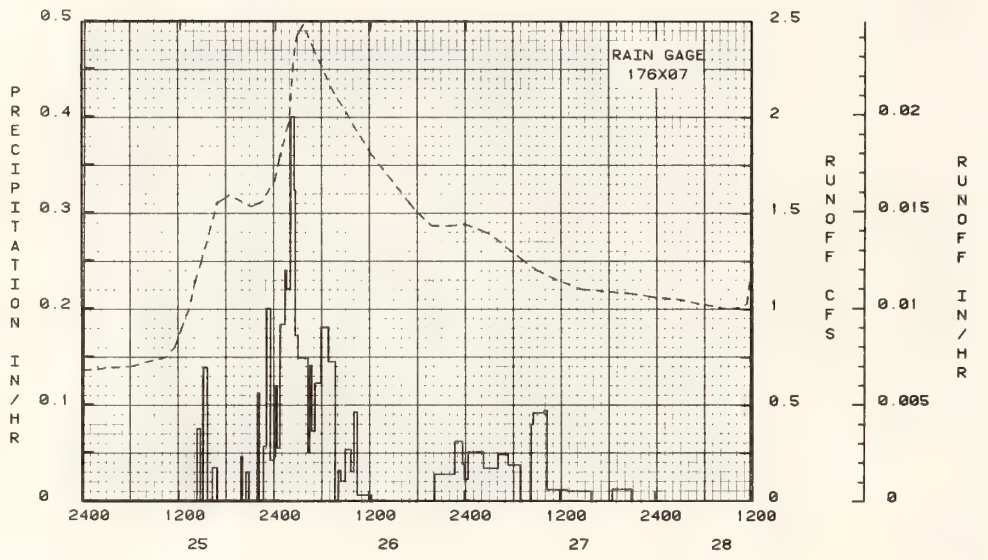
ANTECEDENT CONDITIONS			RAINFALL			RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 24 - 28, 1978							
BG 176X07			BG 176X07							
4-25	0.0		4-25	1419	0.0	0.0	4-24	2400	0.678	0.0
4-24		0.118		1443	0.0750	0.03	4-25	600	0.659	0.0410
				1507	0.0	0.03		1030	0.755	0.0734
				1533	0.1385	0.09		1130	0.758	0.0811
				1539	0.1001	0.10		1215	0.868	0.0874
WATERSHED CONDITIONS:										
Rangeland watershed with				1616	0.0	0.10		1315	1.003	0.0968
seasonal grazing of cattle				1651	0.0343	0.12		1400	1.141	0.1047
and sheep. Scrub aspen,				1951	0.0	0.12		1445	1.240	0.1136
willow, scattered douglas				2004	0.0462	0.13		1530	1.345	0.1232
fir, and sagebrush with				2030	0.0	0.13		1600	1.432	0.1301
natural mountain meadows.										
Vegetative cover varies				2050	0.0300	0.14		1645	1.545	0.1411
with annual precipitation.				2155	0.0	0.14		1815	1.587	0.1644
Type of cover is 32% shrub				2211	0.1125	0.17		2100	1.527	0.2069
and brush, 17% grass and				2243	0.0	0.17		2230	1.555	0.2298
forbes, and 9% rock and				2304	0.0572	0.19		2400	1.674	0.2538
rock fragments.										
				2331	0.2000	0.28	4-26	45	1.808	0.2668
				2400	0.0414	0.30		145	1.971	0.2855
			4-26	13	0.0461	0.31		215	2.279	0.2961
				23	0.1200	0.33		245	2.423	0.3077
				45	0.0546	0.35		330	2.484	0.3260
				121	0.1833	0.46		445	2.356	0.3560
				131	0.2400	0.50		700	2.147	0.4062
				201	0.2200	0.61		1200	1.808	0.5043
				225	0.4000	0.77		1730	1.518	0.5950
				238	0.3230	0.84		1945	1.427	0.6279
				259	0.1715	0.90		2200	1.427	0.6597
				416	0.1480	1.09		2400	1.441	0.6881
				428	0.0500	1.10	4-27	300	1.392	0.7303
				445	0.1412	1.14		700	1.257	0.7828
				510	0.0720	1.17		900	1.204	0.8072

Conversion Factor: CFS to IN/HR, multiply by 0.009917.

1978 SELECTED RUNOFF EVENT — REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	APRIL	24 - 28, 1978	(CONTINUED)				
			4-26	554	0.1227	1.26	4-27	1130	1.145	0.8363
				647	0.1811	1.42		1445	1.102	0.8726
				741	0.1444	1.55		2045	1.076	0.9374
				807	0.0	1.55		2400	1.065	0.9719
				826	0.0316	1.56	4-28	245	1.054	1.0008
				856	0.0200	1.57		855	0.959	1.0635
				941	0.0533	1.61		1030	1.010	1.0793
				1001	0.0300	1.62		1130	1.032	1.0894
				1027	0.0923	1.66				
				1218	0.0054	1.67				
				2016	0.0	1.67				
				2246	0.0280	1.74				
				2344	0.0621	1.80				
				2400	0.0375	1.81				
			4-27	27	0.0222	1.82				
				225	0.0508	1.92				
				413	0.0333	1.98				
				527	0.0487	2.04				
				704	0.0371	2.10				
				821	0.0	2.10				
				836	0.0800	2.12				
				1001	0.0918	2.25				
				1020	0.0947	2.28				
				1257	0.0115	2.31				
				1557	0.0100	2.34				
				1839	0.0	2.34				
				2103	0.0125	2.37				

Conversion Factor: CFS to IN/HR, multiply by 0.009917.



EVENT OF APRIL 24 - 28, 1978

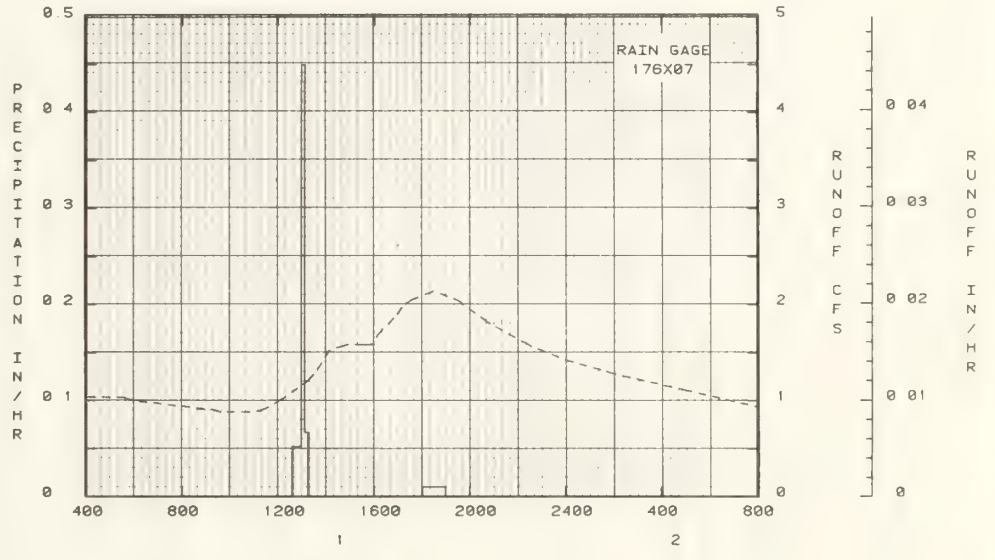
REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)

1979 SELECTED RUNOFF EVENT — REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT CP	MAY 1 - 2, 1979						
	RG 176X07			RG 176X07						
5- 1	0.06	0.044	5- 1	1236	0.0	0.0	5- 1	405	1.039	0.0
				1259	0.0522	0.02		530	1.028	0.0145
				1307	0.4500	0.08		555	0.966	0.0187
				1316	0.0666	0.09		920	0.902	0.0509
				1802	0.0	0.09		935	0.875	0.0531
				1900	0.0103	0.10		1050	0.882	0.0639
								1120	0.859	0.0684
								1220	1.039	0.0780
								1315	1.208	0.0882
								1330	1.285	0.0913
								1340	1.328	0.0934
								1410	1.527	0.1005
								1455	1.592	0.1121
								1530	1.583	0.1213
								1600	1.592	0.1292
								1610	1.688	0.1319
								1650	1.865	0.1436
								1700	1.896	0.1467
								1710	1.971	0.1499
								1735	2.052	0.1582
								1830	2.136	0.1773
								1930	2.041	0.1980
								2050	1.798	0.2234
								2235	1.559	0.2525
								2400	1.423	0.2735
							5- 2	205	1.273	0.3013
								515	1.091	0.3384

WATERSHED CONDITIONS:
Rangeland watershed with seasonal grazing of cattle and sheep. Scrub aspen, willow, scattered douglas fir, and sagebrush with natural mountain meadows. Vegetative cover varies with annual precipitation. Type of cover is 32% shrub and brush, 17% grass and forbes, and 9% rock and rock fragments.

Conversion Factor: CFS to IN/HR, multiply by 0.009917.



EVENT CP MAY 1 - 2, 1979

REYNOLDS, IDAHO REYNOLDS MOUNTAIN WATERSHED (166076)

LOCATION: Owyhee County, Idaho; about 33 miles southwest of Nampa, Idaho; a tributary to Reynolds Creek, a tributary to the Snake River. Lat. 43 deg. 8 min. 53 sec. N.; Long. 116 deg. 44 min. 14 sec. W.

AREA: 33.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	1.26	2.41	1.07	3.19	0.70	0.62	0.47	0.47	0.88	0.02	1.54	0.58	13.21
1978	Q	0.001	0.045	0.079	0.033	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.157
	P	1.20	1.19	0.99	0.75	1.15	0.42	0.17	1.87	0.06	1.37	0.72	0.51	10.30
1979	Q	0.218	0.076	0.046	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.340
STA AV	P	1.54	1.01	1.34	1.23	0.87	1.21	0.40	0.76	0.75	1.13	1.26	1.25	12.78
	Q	0.112	0.086	0.113	0.019	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.001	0.332

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	4-27	0.003	4-27	0.002	4-27	0.004	4-27	0.009	4-26	0.014	4-26	0.018	4-26	0.028	3- 5	0.062
1979	1-11	0.040	1-11	0.037	1-11	0.070	1-11	0.145	1-11	0.202	1-11	0.213	1-10	0.218	1- 9	0.218
MAXIMUMS FOR PERIOD OF RECORD																
	1-22	0.063	1-22	0.053	1-22	0.097	1-22	0.205	1-22	0.291	1-22	0.328	1-20	0.379	1-18	0.518
	1972		1972		1972		1972		1972		1972		1972		1972	

Watershed Conditions: Watershed is entirely sagebrush rangeland used almost exclusively for cattle grazing. Vegetation consists of bluebunch wheatgrass, Sandberg bluegrass, cheatgrass, yarrow, and little sagebrush. 90% of the area has a vegetative cover of 0-25% and 10% of the area has a vegetative cover of 26-50%.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Pub. 1262, page 68.014-6.
Precipitation: Records began 1963. 'Computed Actual' amounts from rain gage 127X07. STA AV values based on 12 yr beginning 1968.
Runoff: Records began 1967. STA AV values based on 13 yr beginning 1967.
Long-Term Precipitation: National Weather Service records at Boise, Idaho, 50 miles N.E. of watershed.

1978 DAILY AIR TEMPERATURE (DEGREES F) — REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)

Day	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min
1	19	7	40	29	35	23	43	33	54	37	61	44	68	53	65	59	75	56	61	43	54	38	34	27
2	23	15	37	31	35	23	40	29	60	39	65	49	63	49	83	61	82	65	60	42	56	42	29	24
3	40	23	43	35	40	28	45	31	51	33	65	47	63	47	85	63	84	63	64	43	60	43	39	23
4	40	33	40	34	38	30	43	32	40	26	72	43	61	47	89	67	79	62	64	48	53	28	47	23
5	38	33	45	35	42	35	43	29	44	25	75	57	63	49	86	67	68	53	67	47	39	23	24	10
6	36	31	37	34	44	32	43	31	53	33	79	57	69	49	87	67	55	48	68	51	50	32	12	3
7	39	29	39	30	46	38	36	31	57	36	75	57	73	55	88	70	48	40	71	54	54	28	14	-2
8	41	32	35	28	46	40	49	32	59	40	81	54	68	52	89	69	57	36	68	52	62	36	29	11
9	38	31	33	29	41	31	54	33	65	44	71	50	78	55	89	72	68	46	73	55	36	18	34	24
10	35	33	29	24	42	26	63	38	60	42	51	39	71	54	85	67	55	42	68	54	20	15	37	24
11	37	33	24	21	40	29	55	34	47	35	61	39	71	50	87	62	52	39	66	47	19	12	44	30
12	36	31	27	21	31	26	46	28	58	33	75	51	73	52	83	59	55	37	55	37	25	17	30	20
13	38	31	28	21	36	26	56	34	71	46	73	50	83	60	59	44	61	43	59	39	28	15	28	18
14	39	31	31	24	36	24	54	34	72	57	67	46	85	66	66	44	60	46	63	45	27	16	40	28
15	37	31	29	20	44	25	50	37	58	34	60	38	89	69	80	49	67	42	65	51	31	20	35	18
16	39	33	25	16	53	36	41	28	47	33	63	40	70	52	59	40	56	33	63	49	36	26	33	16
17	39	31	30	19	62	44	44	27	54	36	71	47	69	47	58	38	46	32	64	44	41	29	38	26
18	36	28	34	24	58	46	51	34	54	39	63	50	79	55	67	42	39	31	60	41	47	32	31	13
19	34	29	39	23	60	43	59	39	60	42	65	48	75	57	76	55	51	31	64	45	47	38	24	13
20	35	31	43	33	58	41	40	29	67	45	73	51	73	53	79	55	57	46	64	49	49	36	28	19
21	39	28	40	26	60	45	40	27	72	54	75	54	75	53	76	55	60	44	53	34	42	34	32	24
22	29	26	35	24	54	42	45	30	56	41	78	53	82	60	64	45	70	53	52	30	36	33	32	28
23	25	20	41	20	51	32	46	31	43	32	75	52	94	69	68	44	72	54	59	44	38	28	35	26
24	35	23	40	34	48	33	59	40	43	32	66	37	92	70	76	55	77	58	60	36	31	24	37	28
25	40	31	44	33	56	39	58	44	46	32	54	39	88	69	71	51	80	60	50	30	28	24	30	20
26	35	27	35	29	64	44	46	39	54	38	65	43	90	69	64	48	82	64	60	43	36	22	28	17
27	37	27	32	23	61	46	43	37	64	43	73	52	82	66	68	49	74	58	64	48	36	21	34	17
28	37	29	42	26	65	45	50	38	67	46	75	55	88	66	73	53	70	49	64	43	42	33	18	0
29	36	24			68	50	53	37	56	37	72	55	85	64	76	59	66	48	45	28	41	33	5	-4
30	31	22			60	47	54	38	53	35	69	50	87	63	79	59	77	53	39	23	39	34	8	-4
31	36	26			57	42			57	37			84	64	74	54			47	30			7	-6
AV.	35	28	36	27	49	36	48	33	56	38	69	48	77	58	76	56	65	48	61	43	40	28	29	17
MEAN	31.6		31.2		42.7		40.9		47.2		58.6		67.4		66.0		56.3		51.7		33.9		22.8	
STA AV	33	23	39	27	43	29	48	32	60	41	69	50	81	60	78	57	67	49	54	38	42	30	34	23

Station Averages: 12 yr beginning 1967.
Notes: Temperature data taken from hygrothermograph record at Station 127X07.

1978 DAILY AIR TEMPERATURE (DEGREES F) REYNOLDS, IDAHO ICWER SHEEP CREEK WATERSHED (117066)

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	7	-4	17	3	24	19	35	21	53	40	67	47	73	47	87	63	77	54	74	54	41	30	44	22
2	11	0	20	2	27	15	32	24	58	40	72	51	61	41	84	59	78	57	68	51	42	32	46	37
3	17	9	26	18	32	19	37	24	62	38	78	55	78	51	86	63	75	50	71	48	41	35	52	44
4	24	14	32	26	40	29	52	31	69	50	78	58	75	57	92	67	64	48	71	52	42	36	53	31
5	15	7	34	28	43	36	61	37	52	32	76	53	79	59	87	65	75	53	89	58	40	33	38	29
6	22	3	35	28	51	40	49	33	42	28	59	37	83	60	92	62	77	61	79	61	46	33	43	33
7	16	1	35	31	48	31	47	33	36	30	56	34	79	57	85	64	84	60	76	60	48	34	42	35
8	16	9	40	31	38	24	58	36	33	28	61	37	81	61	77	66	83	60	71	54	49	33	46	36
9	31	21	40	34	37	24	42	25	41	31	75	48	86	63	83	60	64	45	71	45	42	32	54	38
10	34	26	40	34	46	26	37	22	51	32	81	61	73	53	88	66	63	39	71	49	47	32	57	16
11	41	32	42	34	48	35	39	26	56	34	80	62	74	56	86	69	66	47	73	56	47	29	28	15
12	32	22	44	34	52	36	44	24	66	42	85	64	75	52	72	60	66	45	71	57	45	33	36	26
13	29	20	45	36	50	35	48	34	63	45	86	54	73	47	65	54	73	51	71	55	45	33	46	28
14	28	20	39	23	52	32	54	32	72	48	72	45	76	54	66	52	74	55	63	52	48	32	51	40
15	32	24	32	22	51	35	56	36	76	55	66	45	81	59	70	51	79	58	53	42	58	32	53	38
16	26	15	32	25	36	27	58	35	63	46	67	51	89	66	73	54	80	60	56	40	56	41	48	35
17	21	12	36	27	39	24	42	31	64	40	64	39	93	73	75	55	78	60	51	41	52	33	57	48
18	27	16	35	29	38	27	36	24	66	44	48	39	90	68	71	55	83	61	50	42	34	27	59	47
19	32	18	32	26	38	30	42	22	65	42	64	46	91	71	73	53	79	64	46	34	30	20	50	37
20	38	28	32	22	42	28	48	32	71	49	68	48	89	69	73	54	79	57	46	33	32	19	41	34
21	34	17	32	24	42	30	55	36	73	54	72	52	79	67	66	50	82	62	43	33	40	25	39	30
22	21	12	31	22	44	30	54	37	77	54	70	49	79	61	78	54	77	61	49	37	42	29	30	17
23	25	16	28	26	48	31	51	33	69	55	76	50	85	60	77	59	75	57	52	40	34	26	26	18
24	18	12	35	25	53	36	44	34	66	48	84	59	88	63	69	50	75	58	65	45	41	30	33	30
25	18	9	42	28	47	32	49	32	70	48	83	62	87	66	72	55	68	51	61	41	33	26	34	31
26	21	8	37	29	45	32	56	36	79	55	81	60	85	67	73	58	66	48	50	37	28	21	36	25
27	22	12	35	25	44	34	53	42	62	41	78	55	88	65	69	58	70	49	52	38	28	17	33	20
28	13	6	34	21	47	32	54	38	51	32	87	61	81	61	63	52	74	54	40	31	22	14	28	19
29	12	0			41	26	60	42	51	30	87	67	80	55	72	50	76	55	40	28	25	14	28	19
30	10	0			34	26	60	44	58	34	69	51	84	60	62	49	69	54	43	27	32	19	37	19
31	15	-3			33	22			62	41			85	64	64	48			36	30			42	28
AV.	23	12	34	26	42	29	48	32	60	41	73	51	81	60	75	57	74	54	59	44	40	28	42	30
MEAN	17.6		30.1		35.7		40.2		51.0		62.2		70.6		66.4		64.4		51.9		34.4		36.1	
STA AV	32	22	39	27	43	29	48	32	60	41	69	50	81	60	78	57	68	49	54	38	42	30	35	24

Station Averages: 13 yr beginning 1967.
Notes: Temperature data taken from hygrothermograph record at Station 127X07.

1978 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO ICWER SHEEP CREEK WATERSHED (117066)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.14	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0
2	0.0	0.05	0.0	0.03	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
3	0.09	0.07	0.12	0.0	0.0	0.0	0.14	0.0	0.01	0.0	0.0	0.02
4	0.0	0.0	0.12	0.16	0.01	0.0	0.05	0.0	0.0	0.0	0.0	0.23
5	0.02	0.10	0.27	0.0	0.02	0.0	0.0	0.03	0.13	0.0	0.0	0.0
6	0.02	0.02	0.0	0.21	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.0
7	0.0	0.25	0.0	0.04	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0
8	0.0	0.0	0.03	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.39	0.0
9	0.29	0.28	0.0	0.0	0.10	0.0	0.0	0.0	0.04	0.0	0.0	0.01
10	0.13	0.89	0.0	0.0	0.02	0.17	0.0	0.0	0.0	0.0	0.0	0.0
11	0.01	0.26	0.29	0.04	0.08	0.0	0.0	0.0	0.02	0.0	0.14	0.03
12	0.05	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0
13	0.0	0.18	0.06	0.01	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0
14	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.31	0.03	0.0	0.28	0.09	0.0	0.0	0.14	0.0	0.0	0.0	0.0
16	0.07	0.0	0.0	0.19	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0
17	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.16
18	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.02
19	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.12	0.0	0.06	0.0	0.0	0.0	0.0	0.02	0.0
21	0.02	0.0	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
22	0.01	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0
23	0.0	0.0	0.08	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.02	0.01	0.0	0.19	0.09	0.0	0.0	0.0	0.0	0.0	0.0
25	0.01	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.01	0.17	0.0	1.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.01	0.0	0.33	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.18	0.02
29	0.02		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.31	0.0
30	0.0		0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.44	0.01
31	0.0		0.08		0.0		0.0	0.0		0.0		0.08
TOTAL	1.26	2.41	1.07	3.19	0.70	0.62	0.47	0.47	0.88	0.02	1.54	0.58
STA AV	1.57	0.99	1.38	1.27	0.85	1.28	0.42	0.66	0.81	1.11	1.30	1.36

Gaging: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded) 127X07. 'Actual' amounts were computed as per relationship developed by W. R. Hamon, "Computing Actual Precipitation", Proceedings of WMO-IAHS Symposium, Geilo, Norway, August, 1972. The equation used is: loge (U/A) = loge (U/S) x 1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.
Station Averages: 11 yr beginning 1968.

1978	DAILY PRECIPITATION (INCHES)					REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.14	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0
2	0.0	0.05	0.0	0.03	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
3	0.09	0.07	0.12	0.0	0.0	0.0	0.13	0.0	0.01	0.0	0.0	0.02
4	0.0	0.0	0.11	0.15	0.01	0.0	0.05	0.0	0.0	0.0	0.0	0.19
5	0.02	0.10	0.25	0.0	0.02	0.0	0.0	0.03	0.13	0.0	0.0	0.0
6	0.02	0.02	0.0	0.16	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.0
7	0.0	0.12	0.0	0.04	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0
8	0.0	0.0	0.03	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.29	0.0
9	0.19	0.12	0.0	0.0	0.10	0.0	0.0	0.0	0.04	0.0	0.0	0.01
10	0.09	0.39	0.0	0.0	0.02	0.17	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.11	0.23	0.03	0.07	0.0	0.0	0.0	0.02	0.0	0.10	0.03
12	0.02	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0
13	0.0	0.08	0.05	0.01	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0
14	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.14	0.03	0.0	0.26	0.08	0.0	0.0	0.14	0.0	0.0	0.0	0.0
16	0.03	0.0	0.0	0.18	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0
17	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.08
18	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.01
19	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.06	0.0	0.05	0.0	0.0	0.0	0.0	0.02	0.0
21	0.02	0.0	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
22	0.01	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0
23	0.0	0.0	0.08	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.02	0.01	0.0	0.19	0.09	0.0	0.0	0.0	0.0	0.0	0.0
25	0.01	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.01	0.11	0.0	1.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.01	0.0	0.31	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.18	0.02
29	0.02		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.29	0.0
30	0.0		0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.36	0.01
31	0.0		0.08		0.0		0.0	0.0		0.0		0.06
TOTAL	0.76	1.27	0.97	2.96	0.68	0.61	0.46	0.47	0.88	0.02	1.29	0.43
STA AV												

Gaging: Values are amounts from unshielded recording gage 127407.
Station Averages: Not applicable to unshielded rain gage records.

1978	DAILY PRECIPITATION (INCHES)					REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.14	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0
2	0.0	0.05	0.0	0.03	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
3	0.09	0.07	0.12	0.0	0.0	0.0	0.13	0.0	0.01	0.0	0.0	0.02
4	0.0	0.0	0.11	0.15	0.01	0.0	0.05	0.0	0.0	0.0	0.0	0.21
5	0.02	0.10	0.25	0.0	0.02	0.0	0.0	0.03	0.13	0.0	0.0	0.0
6	0.02	0.02	0.0	0.19	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.0
7	0.0	0.18	0.0	0.04	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0
8	0.0	0.0	0.03	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.36	0.0
9	0.25	0.19	0.0	0.0	0.10	0.0	0.0	0.0	0.04	0.0	0.0	0.01
10	0.12	0.62	0.0	0.0	0.02	0.17	0.0	0.0	0.0	0.0	0.0	0.0
11	0.01	0.17	0.25	0.04	0.07	0.0	0.0	0.0	0.02	0.0	0.12	0.03
12	0.03	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0
13	0.0	0.12	0.05	0.01	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0
14	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.22	0.03	0.0	0.27	0.08	0.0	0.0	0.14	0.0	0.0	0.0	0.0
16	0.05	0.0	0.0	0.18	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0
17	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.12
18	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.01
19	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.09	0.0	0.05	0.0	0.0	0.0	0.0	0.02	0.0
21	0.02	0.0	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
22	0.01	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0
23	0.0	0.0	0.08	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.02	0.01	0.0	0.19	0.09	0.0	0.0	0.0	0.0	0.0	0.0
25	0.01	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.01	0.14	0.0	1.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.01	0.0	0.32	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.18	0.02
29	0.02		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.30	0.0
30	0.0		0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.40	0.01
31	0.0		0.08		0.0		0.0	0.0		0.0		0.07
TOTAL	1.00	1.76	0.99	3.06	0.68	0.61	0.46	0.47	0.88	0.02	1.43	0.50
STA AV												

Gaging: Values are amounts from shielded recording gage 127507.
Station Averages: Not applicable to shielded rain gage records.

1979 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.10	0.0	[illegible]	0.0	[illegible]	0.0	0.0	0.0	[illegible]	0.0
2	0.02	0.0	0.0	0.08	0.0	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]	[illegible]
3	0.0	0.01	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0
4	0.02	0.01	0.0	0.0	0.0	0.0	0.17	[illegible]	[illegible]	0.0	0.04	[illegible]
5	0.0	0.03	0.02	0.0	[illegible]	0.0	0.0	0.0	0.0	0.0	[illegible]	0.0
6	0.0	0.03	0.0	0.28	0.08	[illegible]	0.0	0.0	0.0	0.0	[illegible]	[illegible]
7	0.0	0.0	0.0	0.0	[illegible]	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]
8	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	[illegible]	0.0
9	0.20	0.0	0.0	0.16	0.18	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]
10	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
11	0.46	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
12	0.0	0.07	0.0	0.02	0.0	0.0	0.0	0.01	0.0	0.0	[illegible]	[illegible]
13	0.0	0.15	0.0	0.02	0.0	0.0	0.0	1.23	0.0	0.0	[illegible]	0.0
14	0.07	0.42	0.0	0.0	0.0	0.0	0.0	0.15	[illegible]	0.0	[illegible]	[illegible]
15	0.01	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0
16	0.01	0.04	0.14	0.01	0.0	0.0	0.0	0.12	0.0	0.0	0.0	[illegible]
17	0.04	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
18	0.03	0.0	0.0	0.04	0.0	0.27	0.0	0.03	0.0	0.40	0.01	[illegible]
19	0.0	0.02	0.01	0.0	0.0	0.0	0.0	0.06	[illegible]	0.41	0.0	[illegible]
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.01	0.0	0.0
21	0.01	0.05	0.0	0.0	0.0	0.07	0.0	0.09	0.0	0.0	0.0	0.04
22	0.0	0.02	0.0	0.06	0.0	0.0	0.0	0.0	0.0	[illegible]	0.14	[illegible]
23	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
24	0.03	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]
25	0.03	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	[illegible]	[illegible]	[illegible]
26	0.0	0.18	0.07	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.12	0.0
27	0.01	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0
28	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.06	0.0	0.0
29	0.0		0.02	0.02	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.02
31	0.0		0.02		0.0		0.0	0.0		0.04		0.0
TOTAL	1.20	1.19	0.89	0.75	1.15	0.42	0.17	1.87	0.06	1.37	0.72	[illegible]
STA AV	1.54	1.01	1.34	1.23	0.97	1.21	0.40	0.76	0.75	1.13	1.26	1.26

Gaging: Values are 'Actual' amounts from a pair of recording gages (shielded and unshielded) 127407. 'Actual' amounts were computed as per relationship developed by W. D. Hamon, "Computing Actual Precipitation", Proceedings of WMO-IAHS Symposium, Geilo, Norway, August, 1972. The equation used is: loge (U/A) = loge (U/S) x 1.80, where U = unshielded catchment, S = shielded catchment, and A = actual amount of precipitation.
Station Averages: 12 yr beginning 1968.

1979 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.05	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.02	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
3	0.0	0.01	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0
4	0.01	0.01	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.04	[illegible]
5	0.0	0.03	0.02	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
6	0.0	0.03	0.0	0.20	0.04	0.02	0.0	0.0	0.0	0.0	0.0	[illegible]
7	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.12	0.0	0.0	0.12	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.39	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.07	0.0	0.02	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
13	0.0	0.10	0.0	0.02	0.0	0.0	0.0	1.20	0.0	0.0	0.0	0.0
14	0.06	0.27	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
15	0.01	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0
16	0.01	0.02	0.10	0.01	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0
17	0.04	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.03	0.0	0.0	0.02	0.0	0.23	0.0	0.03	0.0	0.29	0.01	0.0
19	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.06	0.0	0.32	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.01	0.0	0.0
21	0.01	0.03	0.0	0.0	0.0	0.07	0.0	0.09	0.0	0.0	0.0	0.02
22	0.0	0.02	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.07	0.07	0.01
23	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07
24	0.03	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	[illegible]
25	0.03	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.10	0.07	0.02
26	0.0	0.09	0.05	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.06	0.0
27	0.01	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0
28	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.05	0.0	0.0
29	0.0		0.01	0.02	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.02
31	0.0		0.01		0.0		0.0	0.0		0.03		0.0
TOTAL	0.97	0.79	0.60	0.53	0.64	0.38	0.16	1.81	0.06	1.05	0.40	[illegible]
STA AV												

Gaging: Values are amounts from unshielded recording gage 127407.
Station Averages: Not applicable to unshielded rain gage records.

1979 DAILY PRECIPITATION (INCHES) REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.08	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.02	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
3	0.0	0.01	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0
4	0.01	0.01	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.04	0.02
5	0.0	0.03	0.02	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.03	0.0	0.25	0.04	0.02	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.14	0.0	0.0	0.14	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.43	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.07	0.0	0.02	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
13	0.0	0.13	0.0	0.02	0.0	0.0	0.0	1.20	0.0	0.0	0.0	0.0
14	0.07	0.36	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
15	0.01	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
16	0.01	0.02	0.10	0.01	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0
17	0.04	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.03	0.0	0.0	0.02	0.0	0.26	0.0	0.03	0.0	0.34	0.01	0.0
19	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.06	0.0	0.37	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.01	0.0	0.0
21	0.01	0.04	0.0	0.0	0.0	0.07	0.0	0.09	0.0	0.0	0.0	0.03
22	0.0	0.02	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.08	0.10	0.02
23	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12
24	0.03	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.07
25	0.03	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.12	0.10	0.04
26	0.0	0.14	0.06	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.08	0.0
27	0.01	0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0
28	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.06	0.0	0.0
29	0.0		0.01	0.02	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.02
31	0.0		0.01		0.0		0.0	0.0		0.03		0.0
TOTAL	1.05	1.00	0.72	0.64	0.85	0.41	0.16	1.81	0.06	1.22	0.52	0.36
STA AV												

Gaging: Values are amounts from shielded recording gage 127507.
Station Averages: Not applicable to shielded rain gage records.

1978 MEAN DAILY DISCHARGE (CFS) REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0 T	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0 T	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.005	0.014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.009	0.011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.010	0.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.005	0.018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.003	0.013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.002	0.008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.001	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.002	0.006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0 T	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0 T	0.0	0.004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0 T	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.001	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.004	0.0	0.014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.003	0.0	0.024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.002	0.0	0.005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0	0.0022	0.0035	0.0015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.001	0.045	0.079	0.033	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STA AV	0.103	0.087	0.118	0.021	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.001

Station Averages: 12 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.721262.

1979	MEAN DAILY DISCHARGE (CFS)					REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.051	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.028	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.002	0.016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.296	0.007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.004	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0097	0.0038	0.0021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCHES	0.218	0.076	0.046	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STA AV	0.112	0.086	0.113	0.019	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.001

Station Averages: 13 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.721262.

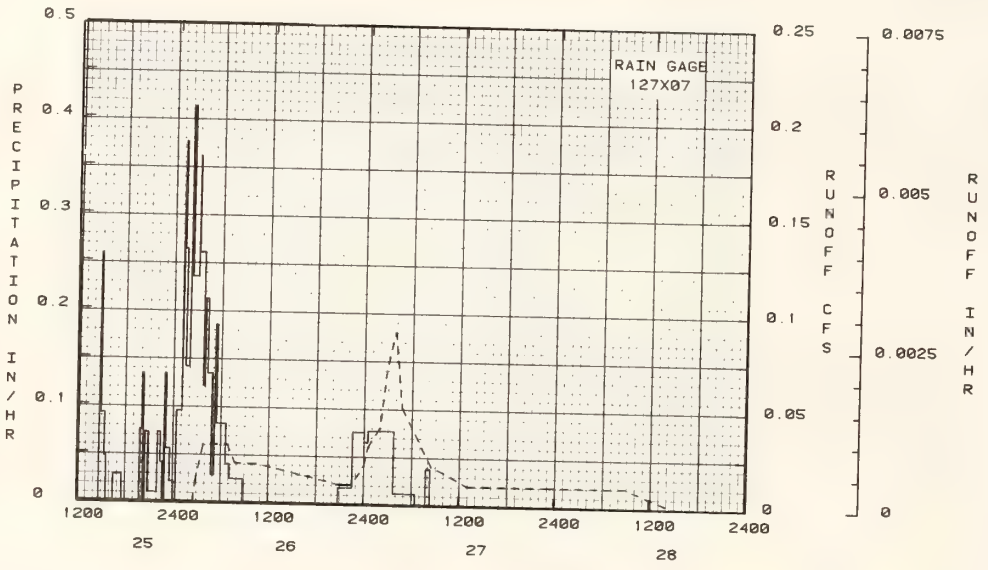
1978	SELECTED RUNOFF EVENT											
	REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)											
ANTECEDENT CONDITIONS				RAINFALL				RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)		
EVENT OF APRIL 24 - 28, 1978												
BG 127X07				BG 127X07								
4-25	0.0	0.0	4-25	1435	0.0	0.0	4-25	2400	0.0	0.0		
				1442	0.2571	0.03	4-26	230	0.0	0.0		
				1515	0.0909	0.08		245	0.013	0.0001		
				1528	0.0462	0.09		345	0.029	0.0007		
				1624	0.0	0.09		500	0.032	0.0018		
WATERSHED CONDITIONS:												
Sagebrush rangeland used for cattle grazing. Vegetation consists of bluebunch wheatgrass, sandberg bluegrass, cheatgrass, yarrow, and little sagebrush. 90% of the area has a vegetative cover of 0-25%, and 10% has a cover of 26-50%.				1729	0.0277	0.12		530	0.029	0.0023		
				1943	0.0	0.12		645	0.032	0.0034		
				1959	0.0750	0.14		745	0.025	0.0043		
				2008	0.1333	0.16		830	0.025	0.0049		
				2021	0.0	0.16		1030	0.016	0.0061		
				2046	0.0720	0.19		2045	0.006	0.0095		
				2155	0.0087	0.20		2230	0.008	0.0098		
				2220	0.0720	0.23		2400	0.016	0.0104		
				2235	0.0400	0.24	4-27	30	0.027	0.0107		
				2248	0.0	0.24		200	0.043	0.0123		
				2257	0.1333	0.26		245	0.068	0.0135		
				2330	0.0545	0.29		347	0.086	0.0159		
				2400	0.0200	0.30		445	0.055	0.0180		
			4-26	19	0.0	0.30		830	0.023	0.0224		
				57	0.0947	0.36		1300	0.012	0.0247		
				105	0.3750	0.41		1600	0.010	0.0257		
				121	0.2625	0.48		2400	0.007	0.0278		
				151	0.1400	0.55	4-28	900	0.006	0.0295		
				207	0.4125	0.66						
				248	0.2341	0.82						
				253	0.3600	0.85						
				337	0.2591	1.04						
				352	0.1200	1.07						
				409	0.2118	1.13						
				445	0.1333	1.21						

Conversion Factor: CFS to IN/DAY, multiply by 0.030053.

1978 SELECTED RUNOFF EVENT — REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 24 - 28, 1978 (CONTINUED)							
			4-26	507	0.0273	1.22				
				520	0.1846	1.26				
				634	0.0811	1.36				
				705	0.0387	1.38				
				847	0.0235	1.42				
				2046	0.0	1.42				
				2232	0.0170	1.45				
				2400	0.0750	1.56				
			4-27	28	0.0643	1.59				
				344	0.0765	1.84				
				628	0.0110	1.87				
				748	0.0	1.87				
				820	0.0375	1.89				

Conversion Factor: CFS to IN/DAY, multiply by 0.030053.

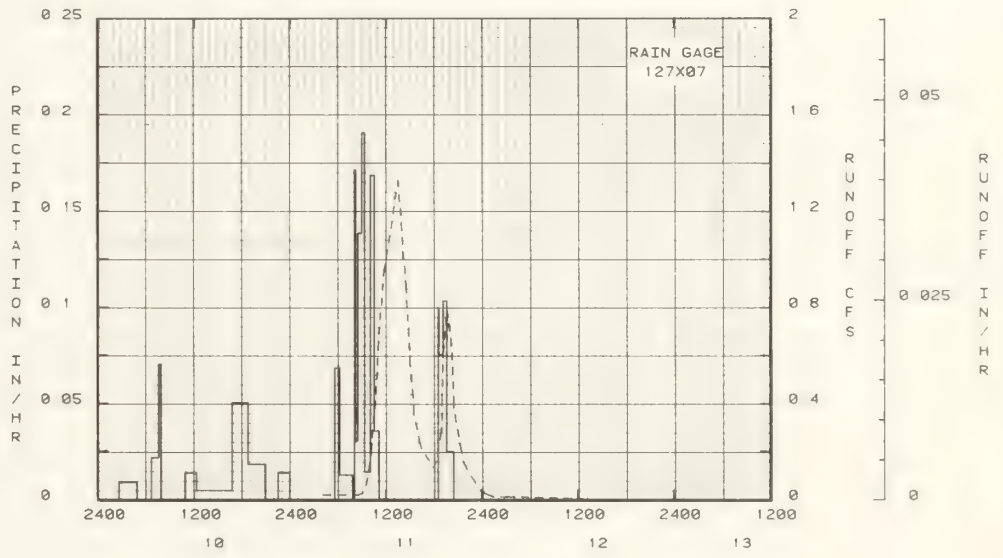


EVENT OF APRIL 24 - 28, 1978

REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 10 - 12, 1979							
RG 127X07			RG 127X07							
1-10	0.0		1-10	237	0.0	0.0	1-11	410	0.019	0.0
1-11		0.002		450	0.0090	0.02		600	0.015	0.0009
				638	0.0	0.02		830	0.015	0.0021
				733	0.0218	0.04		910	0.030	0.0025
				750	0.0706	0.06		930	0.060	0.0030
WATERSHED CONDITIONS: Sagebrush rangeland used for cattle grazing. Vegetation consists of bluebunch wheatgrass, sandberg bluegrass, cheatgrass, yarrow, and little sagebrush. 90% of the area has a vegetative cover of 0-25%, and 10% has a cover of 25-50%.				1052	0.0	0.06		1000	0.147	0.0045
				1219	0.0138	0.08		1015	0.283	0.0060
				1644	0.0045	0.10		1030	0.348	0.0081
				1843	0.0504	0.20		1055	0.529	0.0136
				2056	0.0180	0.24		1100	0.630	0.0151
				2234	0.0	0.24		1145	0.955	0.0329
				2400	0.0140	0.26		1230	1.103	0.0561
			1-11	16	0.0	0.26		1330	1.328	0.0927
				537	0.0	0.26		1410	1.034	0.1163
				612	0.0686	0.30		1430	0.886	0.1259
				748	0.0125	0.32		1500	0.583	0.1370
				804	0.0	0.32		1525	0.418	0.1432
				811	0.1714	0.34		1530	0.351	0.1442
				831	0.0300	0.35		1625	0.211	0.1519
				857	0.1385	0.41		1800	0.128	0.1600
				919	0.1909	0.48		1830	0.191	0.1624
				1002	0.0140	0.49		1900	0.304	0.1661
				1034	0.1687	0.58		1903	0.414	0.1667
				1108	0.0353	0.60		1905	0.496	0.1671
				1832	0.0	0.60		1910	0.611	0.1685
				1838	0.1000	0.61		1940	0.787	0.1790
				1910	0.0750	0.65		2015	0.640	0.1915
				1939	0.1034	0.70		2025	0.491	0.1944
				2028	0.0245	0.72		2030	0.382	0.1955
								2130	0.191	0.2041
								2145	0.152	0.2054
								2245	0.086	0.2089
								2400	0.027	0.2111
							1-12	130	0.011	0.2119
								400	0.006	0.2126

Conversion Factor: CFS to IN/DAY, multiply by 0.030053.



EVENT OF JANUARY 10 - 12, 1979

REYNOLDS, IDAHO LOWER SHEEP CREEK WATERSHED (117066)

CHICKASHA, OKLAHOMA WATERSHED 522 NEAR NINNEKAH

LOCATION: Little Washita River Watershed above U.S. highway 81 bridge South of Chickasha in Grady and Caddo Counties, Okla.; tributary to Washita River; Red River Basin. GAGING STATION--SE1/4 sec. 32, T. 6 N., R. 7 W., lat. 34 deg. 57 min. N., Long. 97 deg. 57 min. W., 5-1/2 miles South of Chickasha, Okla., at U.S. highway 81 bridge.

AREA: 132990.00 acres 207.80 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) CHICKASHA, OKLAHOMA WATERSHED 522 NEAR NINNEKAH

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	0.79	2.54	1.19	1.84	7.60	5.13	0.57	2.43	1.35	0.09	3.40	0.0	26.93
1978	Q	0.064	0.124	0.129	0.105	0.589	0.673	0.038	0.038	0.026	0.019	0.088	0.053	1.945
	P	1.96	2.97	3.80	4.84	6.63	6.77	2.54	3.04	2.48	0.88	4.61	2.67	43.19
1979	Q	0.068	0.074	0.131	0.379	0.701	0.687	0.107	0.055	0.234	0.031	0.071	0.116	2.653
STA AV	P	1.08	1.34	2.08	2.94	4.85	3.31	2.83	2.47	3.97	2.46	1.96	0.91	30.18
	Q	0.103	0.108	0.168	0.194	0.374	0.304	0.204	0.080	0.125	0.119	0.117	0.097	1.993

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	5-28	0.031	5-28	0.031	5-28	0.061	5-27	0.169	5-27	0.254	5-27	0.351	5-27	0.425	5-27	0.540
1979	6- 9	0.021	6- 9	0.021	6- 9	0.042	6- 9	0.112	6- 9	0.186	6- 9	0.254	5- 2	0.361	6- 5	0.566
MAXIMUMS FOR PERIOD OF RECORD																
	5-10	0.056	5-10	0.055	5-10	0.108	7-23	0.261	7-23	0.438	7-22	0.529	7-22	0.595	7-24	0.817
	1964		1964		1964		1973		1973		1973		1973		1975	

Watershed Conditions: From a revised 1974 survey; sowed crop - 15%; row crop - 2%; alfalfa - 1%; pasture and range - 66%; and miscellaneous - 16%.
Maps: Topographic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1963, USDA Misc. Pub. 1164, page 69.15-4. Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA Misc. Pub. 1216, page 69.7-21.
Precipitation: Records began Oct. 1961. Thiessen weighted average of 36 gages.
Runoff: Records began April 1963.
Long-Term Precipitation: National Weather Service records at Chickasha, Okla.

1978 DAILY AIR TEMPERATURE (DEGREES F) CHICKASHA, OKLAHOMA WATERSHED 522 NEAR NINNEKAH

Day	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min
1	24	19	36	32	38	32	86	54	69	53	77	66	98	72	89	69	86	66	87	58	75	44	64	34
2	44	12	28	20	44	26	83	60	52	41	70	62	99	72	89	71	90	69	90	61	81	42	65	28
3	51	18	42	22	26	19	73	60	47	41	78	59	99	69	85	67	NR	NR	77	50	81	58	32	20
4	58	32	37	16	33	14	87	54	47	84	79	58	98	70	72	67	100	67	83	46	79	50	50	20
5	55	31	40	28	57	23	75	60	62	49	78	62	98	74	84	63	99	66	74	48	75	55	69	32
6	67	22	37	23	63	38	81	45	67	55	79	61	98	72	90	60	97	66	73	40	59	71	36	28
7	55	31	28	22	38	32	82	57	72	52	85	62	99	72	93	64	90	66	77	40	60	32	28	20
8	40	18	29	22	40	30	78	60	73	48	87	20	100	73	93	62	80	68	72	58	67	35	28	16
9	30	10	27	24	53	26	72	59	74	42	82	55	103	73	94	62	83	69	79	60	70	43	37	12
10	26	10	30	22	67	31	59	40	78	50	85	60	100	74	90	69	90	67	82	58	79	46	46	16
11	NR	NR	35	29	57	31	64	35	92	64	90	68	100	74	96	64	87	70	90	52	52	40	52	17
12	29	16	40	34	58	26	75	46	79	55	83	67	99	74	97	73	91	74	91	55	66	41	60	38
13	52	18	34	24	68	40	74	46	86	48	79	61	100	75	98	75	97	76	66	44	67	58	47	27
14	36	16	30	20	57	32	78	53	90	44	88	65	99	76	96	74	88	70	74	32	57	36	48	18
15	40	23	34	27	47	31	78	57	90	55	91	69	97	73	97	80	98	73	83	34	38	36	54	28
16	39	14	32	24	57	29	78	60	90	57	90	70	96	69	96	68	97	72	72	42	39	36	48	21
17	26	8	24	8	72	28	82	43	77	68	91	62	95	69	96	75	93	77	75	42	52	32	50	14
18	21	18	31	2	81	33	71	39	89	64	91	66	99	76	96	68	94	75	83	50	65	31	67	42
19	22	12	36	3	76	49	63	41	90	62	78	66	99	73	71	62	92	74	76	46	57	39	71	53
20	21	12	33	18	81	48	60	36	74	64	91	73	96	70	92	62	85	56	89	43	42	34	63	31
21	26	18	32	10	72	39	68	32	84	65	89	68	96	71	94	71	67	54	87	51	41	33	54	25
22	36	17	50	14	82	46	75	43	88	67	88	64	91	70	90	72	76	57	79	49	54	40	57	24
23	35	27	52	29	65	40	76	37	86	67	92	69	83	68	92	72	84	64	55	45	65	47	55	28
24	36	31	64	33	42	32	74	43	85	68	93	72	91	62	93	70	85	64	61	41	67	41	44	22
25	40	23	46	30	53	29	65	39	77	63	98	75	98	70	93	70	76	66	72	47	66	56	59	24
26	34	18	50	26	60	30	70	39	82	62	94	75	103	73	93	73	75	63	63	44	55	39	47	22
27	34	20	43	35	73	30	76	44	74	62	91	72	91	70	95	72	83	62	75	30	47	35	50	24
28	48	18	40	34	80	41	78	53	74	60	92	69	98	62	91	68	87	59	76	35	54	27	57	39
29	30	20			73	46	84	58	82	60	94	69	99	73	87	65	84	58	75	39	59	36	53	22
30	36	17			77	37	82	56	86	62	95	72	100	68	84	58	80	60	77	40	60	38	22	18
31	33	30			84	56			88	67			95	71	89	55			76	43			19	15
AV.	37	19	37	23	60	34	75	48	78	58	87	65	97	71	91	68	87	66	77	46	61	42	49	25
MEAN	28.4		29.9		47.1		61.6		67.8		75.6		84.3		79.3		77.0		61.5		51.4		37.3	
STA AV	37	19	37	23	60	34	75	48	78	58	87	65	97	71	91	68	87	66	77	46	61	42	49	25

Station Averages: Based on 17 yr beginning Sept. 1962.
Notes: Data recorded at South Central Agricultural Research Station. Av and STA AV are rounded to the nearest degree. Mean rounded to the tenth of a degree. For Chickasha Research Station Evaporation Data, see National Weather Service Climatological Data for Oklahoma.

Cooperative Research Project of USDA and Oklahoma Agricultural Experiment Station

69.015- 1

1979 DAILY AIR TEMPERATURE (DEGREES F) CHICKASHA, OKLAHOMA WATERSHED 522 NEAR NINNEKAH

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	15	8	36	12	63	28	58	43	72	56	76	60	100	75	89	66	91	69	88	52	52	30	45	18
2	32	7	42	24	54	45	54	38	78	63	76	58	96	74	92	67	86	66	85	42	56	35	47	22
3	36	12	27	20	50	33	45	36	59	47	82	57	96	75	93	70	91	70	75	49	62	31	49	28
4	32	21	34	18	47	30	56	36	60	45	87	62	99	76	95	70	88	70	76	38	65	39	63	28
5	26	15	28	11	58	27	73	38	69	39	72	64	93	74	97	72	89	70	89	38	64	42	65	37
6	21	15	33	29	67	29	79	44	82	56	83	65	83	70	97	72	87	68	87	49	52	34	57	27
7	22	11	30	12	60	38	74	55	85	62	90	68	87	72	95	73	87	68	94	45	49	33	63	28
8	32	7	33	15	66	34	67	45	83	68	84	65	92	72	93	72	88	62	95	65	65	44	55	31
9	40	19	28	3	54	39	66	36	79	68	83	60	92	73	91	70	86	60	72	41	52	37	61	27
10	34	22	41	16	55	33	57	48	73	50	76	55	95	69	96	72	86	57	71	33	40	27	67	43
11	32	22	56	30	71	29	67	55	56	41	81	55	92	70	84	60	87	56	96	45	50	23	64	30
12	39	30	40	27	70	38	67	45	73	39	82	59	94	70	85	54	88	61	90	50	55	31	30	25
13	35	10	37	27	67	46	67	44	78	47	90	62	93	74	92	64	79	57	67	50	59	24	40	24
14	20	5	66	36	59	34	78	44	86	58	93	63	94	73	94	73	74	56	68	53	66	27	42	36
15	38	16	54	19	49	42	83	52	87	56	90	67	94	74	92	71	79	52	73	60	68	30	45	32
16	50	32	19	10	46	42	82	54	85	58	90	68	95	73	90	70	79	46	84	62	71	28	34	14
17	45	30	20	14	60	46	78	60	85	58	87	68	80	72	90	70	83	49	73	63	68	40	36	7
18	57	34	42	17	74	52	64	57	85	64	87	70	73	68	92	72	85	48	85	64	75	56	54	26
19	54	34	48	26	52	45	70	64	89	66	87	73	82	66	92	68	73	58	86	68	77	56	58	26
20	44	33	47	34	63	44	67	58	86	64	95	75	84	69	88	66	74	60	92	71	72	58	58	27
21	45	30	52	30	69	50	70	55	70	63	95	68	87	66	88	64	72	55	86	58	58	34	64	35
22	53	31	68	52	65	44	74	50	67	59	92	74	89	69	90	64	82	52	62	44	45	26	68	46
23	46	22	57	33	54	38	76	52	74	55	92	70	84	69	88	66	87	60	72	37	53	22	57	38
24	42	16	36	30	52	34	82	52	72	50	77	65	92	70	88	64	89	60	78	44	56	31	55	36
25	40	26	48	28	70	30	79	50	71	48	75	67	91	72	86	66	90	58	78	42	58	33	61	26
26	34	24	55	24	72	41	72	47	78	58	86	66	89	72	85	65	88	52	78	49	59	28	57	36
27	27	18	62	35	60	36	54	41	84	66	91	68	92	70	78	68	92	57	75	55	54	30	58	34
28	28	16	48	30	72	58	58	36	86	64	97	72	97	72	91	68	87	61	74	42	39	28	53	43
29	25	20			84	63	68	41	79	61	96	71	96	77	90	70	93	56	73	41	36	18	44	38
30	28	M			73	44	73	48	76	62	86	71	96	75	90	70	95	55	70	45	35	14	42	32
31	33	7			66	40			74	58			97	68	87	69			52	34			48	30
AV.	36	19	42	24	62	40	69	47	77	56	86	66	91	71	90	68	85	59	79	49	57	33	53	30
MEAN	27.6		33.0		50.9		58.1		66.7		75.8		81.3		79.1		72.1		64.1		45.0		41.7	
STA AV	37	19	40	24	61	37	72	48	78	57	87	66	94	71	91	68	86	63	78	48	59	38	51	28

Station Averages: Based on 18 yr beginning Sept. 1962.
Notes: Data recorded at South Central Agricultural Research Station. Av and STA AV are rounded to the nearest degree. Mean rounded to the tenth of a degree. For Chickasha Research Station Evaporation Data, see National Weather Service Climatological Data for Oklahoma.

1978 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 522 NEAR NINNEKAH

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.01	0.06	0.0	0.14	0.03	0.0	0.01	0.0	0.0	0.0
2	0.0	0.0	0.03	0.0	1.49	0.01	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.22	0.04	0.0	0.0	0.17	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.06	0.22	0.0	0.03	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.50	0.31	0.81	0.0	0.0	0.02	0.0	0.13	0.0
6	0.0	0.07	0.0	0.0	0.0	2.02	0.0	0.0	0.0	0.0	0.26	0.0
7	0.0	0.17	0.79	0.0	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0
9	0.0	0.04	0.0	0.10	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
10	0.0	0.0	0.0	0.57	0.01	0.0	0.0	0.12	0.06	0.0	0.0	0.0
11	0.08	0.01	0.0	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.0	0.0
12	0.0	1.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
13	0.0	0.0	0.0	0.0	0.0	0.85	0.0	0.0	0.0	0.0	0.13	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0
15	0.14	0.08	0.01	0.0	0.0	0.0	0.09	0.70	0.0	0.0	0.74	0.0
16	0.22	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	0.0
17	0.0	0.15	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.14	0.0	0.0	0.0	0.03	0.01	0.0	0.19	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.20	0.0	0.0	1.18	0.0	0.0	0.04	0.0
20	0.0	0.0	0.0	0.0	0.52	0.02	0.0	0.01	0.44	0.0	0.01	0.0
21	0.0	0.0	0.0	0.0	0.20	1.03	0.0	0.0	0.31	0.0	0.0	0.0
22	0.0	0.0	0.18	0.0	0.0	0.01	0.22	0.0	0.0	0.04	0.01	0.0
23	0.0	0.0	0.17	0.0	0.0	0.0	0.14	0.0	0.0	0.03	0.0	0.0
24	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.0	0.70	0.0
26	0.0	0.0	0.0	0.0	0.84	0.0	0.02	0.0	0.0	0.0	0.53	0.0
27	0.0	0.06	0.0	0.0	3.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.01	0.0	0.19	0.41	0.0	0.0	0.01	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.19	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0
31	0.12		0.0		0.0		0.06	0.0		0.0		0.0
TOTAL	0.79	2.54	1.19	1.84	7.60	5.13	0.57	2.43	1.35	0.09	3.40	0.0
STA AV	1.03	1.25	1.98	2.83	4.75	3.12	2.85	2.44	4.05	2.54	1.82	0.81

Gaging: Thiessen weighted average of 36 rain gages.
Station Averages: 18 yr beginning 1961.

1979 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 522 NEAR NINNEKAH

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.01	0.02	0.01	0.0	0.03	0.0	0.0	0.0	0.01	0.0
2	0.0	0.0	0.82	0.0	1.63	0.01	0.0	0.0	1.50	0.0	0.02	0.0
3	0.0	0.0	0.0	0.09	1.66	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.03	0.22	0.0	0.03	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.50	0.31	1.56	0.85	0.0	0.02	0.0	0.13	0.0
6	0.05	0.47	0.0	0.0	0.0	1.06	0.30	0.0	0.01	0.0	0.26	0.0
7	0.0	0.17	0.79	0.0	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.26	0.0	0.0	0.0	1.80	0.0	0.0	0.0	0.02	0.01	0.0
9	0.0	0.04	0.0	0.09	0.0	0.44	0.01	0.0	0.01	0.0	0.0	0.0
10	0.08	0.0	0.0	2.11	0.13	0.0	0.0	0.13	0.06	0.0	0.0	0.0
11	0.0	0.01	0.0	0.0	0.01	0.0	0.0	0.02	0.01	0.0	0.0	0.0
12	0.0	1.58	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.38
13	0.0	0.0	0.0	0.22	0.0	0.85	0.0	0.0	0.0	0.0	0.13	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0
15	0.14	0.08	0.08	0.0	0.0	0.0	0.09	0.07	0.0	0.01	0.74	0.0
16	0.22	0.14	0.08	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.67	0.0
17	0.0	0.15	0.13	0.18	0.01	0.0	0.32	0.0	0.0	0.01	0.0	0.0
18	0.78	0.0	0.25	0.81	0.17	0.01	0.25	0.19	0.0	0.0	0.0	0.0
19	0.0	0.0	0.37	0.01	0.20	0.01	0.0	0.61	0.01	0.0	0.04	0.0
20	0.04	0.0	0.0	0.03	1.15	0.16	0.01	0.26	0.06	0.0	0.96	0.0
21	0.0	0.0	0.0	0.0	0.25	0.02	0.0	0.34	0.31	0.47	0.22	0.0
22	0.0	0.0	1.10	0.0	0.03	0.01	0.13	0.09	0.0	0.04	0.01	0.0
23	0.01	0.0	0.17	0.0	0.01	0.01	0.0	0.0	0.0	0.03	0.0	0.31
24	0.04	0.01	0.0	0.0	0.0	0.56	0.0	0.05	0.0	0.0	0.0	0.0
25	0.38	0.0	0.0	0.0	0.0	0.01	0.0	0.02	0.49	0.0	0.70	0.0
26	0.01	0.0	0.0	0.0	0.03	0.0	0.02	0.01	0.0	0.0	0.53	0.0
27	0.0	0.06	0.0	0.44	0.01	0.0	0.0	0.24	0.0	0.0	0.0	0.26
28	0.0	0.0	0.0	0.06	0.11	0.03	0.0	0.01	0.0	0.0	0.0	1.64
29	0.09		0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.08
30	0.0		0.0	0.19	0.85	0.0	0.01	0.0	0.0	0.30	0.0	0.0
31	0.12		0.0		0.0		0.13	0.97		0.0		0.0
TOTAL	1.96	2.97	3.80	4.84	6.63	6.77	2.54	3.04	2.48	0.88	4.61	2.67
STA AV	1.08	1.34	2.08	2.94	4.85	3.31	2.83	2.47	3.97	2.46	1.96	0.91

Gaging: Thiessen weighted average of 36 rain gages.
Station Averages: 19 yr beginning 1961.

1978 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 522 NEAR NINNEKAH

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	14.6	12.8	23.7	17.2	15.3	57.9	15.3	4.1	2.6	5.4	4.5	16.6
2	14.0	12.2	24.4	17.2	33.1	46.9	14.6	3.4	2.6	4.1	4.5	14.0
3	15.3	12.2	23.7	17.9	80.2	38.5	15.3	3.4	3.0	2.6	4.5	12.8
4	17.9	11.6	20.0	30.0	35.9	32.5	12.8	4.5	3.0	2.3	5.0	10.4
5	12.8	11.6	22.2	22.9	30.8	81.2	11.6	5.8	3.4	2.3	4.1	9.9
6	12.2	11.6	21.4	59.2	28.3	1367.6	11.0	5.0	3.4	2.3	5.8	9.3
7	12.2	11.6	41.3	29.1	22.9	364.3	10.4	4.5	3.0	2.3	6.3	9.3
8	12.2	10.4	50.8	23.7	20.7	149.8	10.4	4.5	2.6	2.6	6.3	7.3
9	11.0	10.4	32.5	26.7	17.2	84.7	8.8	3.4	4.1	2.6	6.3	6.3
10	10.4	10.4	29.1	37.7	15.9	56.9	6.8	3.0	5.0	2.6	6.3	12.2
11	10.4	14.0	22.9	31.6	15.3	46.0	9.3	5.0	5.8	2.3	5.8	12.2
12	10.4	89.3	20.7	22.9	14.6	45.0	6.8	3.7	5.8	2.3	5.8	12.2
13	11.6	71.2	20.0	18.6	12.2	108.1	5.4	2.3	5.4	2.3	6.3	9.9
14	10.4	39.4	19.3	15.9	11.0	88.5	5.0	1.7	5.0	2.0	11.0	7.8
15	10.4	29.1	43.1	13.4	10.4	44.1	5.4	1.5	4.1	2.6	12.2	9.9
16	10.4	27.5	17.2	13.4	12.2	29.1	5.4	34.4	3.7	3.0	30.8	8.8
17	10.4	23.7	17.2	14.0	12.8	22.2	5.0	5.8	3.0	3.4	19.3	8.8
18	10.4	18.6	17.2	13.4	13.4	20.0	4.5	1.4	2.3	3.4	18.6	8.8
19	10.4	17.9	18.6	21.4	12.2	22.2	4.1	35.3	1.7	3.7	10.4	8.8
20	10.4	17.2	18.6	15.9	15.9	19.3	3.4	23.7	1.7	3.7	10.4	8.8
21	10.4	16.6	18.6	14.0	21.4	136.4	2.6	12.8	5.0	3.7	10.4	8.8
22	10.4	27.5	18.6	12.8	20.0	517.1	2.6	7.3	8.8	3.7	9.9	8.8
23	10.4	41.3	22.2	11.6	15.9	151.6	6.8	6.3	7.3	4.1	9.9	8.8
24	10.4	37.7	25.2	11.0	14.6	89.3	6.8	5.4	6.3	4.1	9.9	8.8
25	10.4	30.8	22.9	11.0	13.4	45.3	5.8	4.5	9.3	4.1	47.1	8.3
26	10.4	26.0	20.7	9.9	21.4	23.7	5.0	3.4	9.3	4.1	133.5	8.3
27	10.4	23.7	19.3	9.9	394.4	18.6	3.4	3.0	8.8	4.5	26.7	8.3
28	12.2	25.2	18.6	12.2	1776.9	17.9	3.0	3.0	7.8	4.5	21.4	8.3
29	12.2		17.2	16.6	357.3	17.2	2.3	3.7	6.3	4.5	20.7	8.3
30	12.2		16.6	15.9	141.0	16.6	2.0	3.4	5.4	4.5	18.6	7.3
31	12.2		16.6		82.3		2.6	3.0		4.5		6.8
MEAN	11.59	24.70	23.24	19.57	106.09	125.29	6.91	6.84	4.85	3.36	16.41	9.51
INCHES	0.064	0.124	0.129	0.105	0.589	0.673	0.038	0.038	0.026	0.019	0.088	0.053
STA AV	0.105	0.110	0.170	0.183	0.355	0.281	0.210	0.081	0.118	0.124	0.120	0.095

Station Averages: 16 yr beginning 1963.
Conversion Factor: CFS to IN/DAY, multiply by 0.0001790. Inches to AC-FT, multiply by 11,083.

1979 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 522 NEAR MINNEKAH

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.3	8.0	14.6	18.3	20.8	38.3	25.9	8.0	26.1	4.7	9.2	11.8
2	5.7	8.0	19.1	17.6	782.0	26.8	24.1	8.0	713.1	4.7	8.6	12.4
3	5.7	8.0	35.3	16.0	832.7	59.4	19.1	7.4	184.7	4.7	9.2	11.8
4	5.7	8.0	25.9	17.6	718.5	25.9	18.3	7.4	97.4	4.7	9.2	11.8
5	5.7	8.0	18.3	17.6	224.1	175.9	19.1	6.3	43.6	4.3	9.2	12.4
6	5.7	8.0	15.3	17.6	108.1	375.0	57.1	5.7	25.9	4.3	9.2	13.1
7	5.2	8.0	14.6	16.8	71.8	396.6	21.6	4.7	25.0	3.8	9.8	13.1
8	5.2	8.0	13.1	16.0	52.4	153.0	17.6	4.3	19.1	3.4	9.8	13.1
9	5.2	8.6	13.1	16.8	46.8	1416.4	15.3	4.3	14.6	2.9	9.8	13.1
10	5.2	8.6	13.1	88.0	46.8	311.2	13.8	4.7	10.4	3.8	9.8	13.1
11	5.2	16.8	13.1	562.1E	49.0	146.8	12.4	5.2	9.8	3.8	9.8	14.6
12	5.7	25.9	13.1	114.6E	46.8	104.6	11.8	4.7	10.4	4.3	10.4	16.8
13	5.7	21.6	14.6	63.0E	37.3	59.4	11.1	4.3	10.4	3.8	10.4	19.9
14	5.2	19.9	12.4	43.6E	32.4	39.4	10.4	4.3	9.8	3.8	11.1	19.9
15	5.2	16.0	11.8	37.3E	31.4	31.4	9.8	3.8	8.6	4.3	13.1	14.6
16	6.3	15.3	13.1	31.4E	27.7	27.7	9.2	5.2	7.4	5.2	13.1	14.6
17	7.4	15.3	17.6	33.4E	26.8	31.4	29.3	5.2	6.3	5.2	13.1	13.1
18	23.8	15.3	23.3	94.3	27.7	29.5	30.5	4.3	6.3	5.2	13.8	13.1
19	90.9	31.4	25.9	64.2	31.4	25.0	27.7	5.7	5.7	5.2	13.8	16.0
20	35.3	24.1	28.6	34.3	35.1	25.9	25.9	18.3	6.8	5.7	19.2	21.6
21	17.6	17.6	23.3	25.0	96.6	25.9	25.0	22.4	8.6	6.3	46.0	19.1
22	13.8	18.3	149.0	22.4	55.9	24.1	24.1	50.2	8.0	11.1	27.7	18.3
23	13.8	17.6	43.6	20.8	47.9	24.1	22.4	12.4	7.4	6.8	18.3	21.6
24	13.8	16.0	28.6	19.9	43.6	73.0	20.8	6.8	6.8	5.7	15.3	27.7
25	15.3	16.8	22.4	17.6	41.4	72.2	18.3	5.7	6.8	5.7	13.1	23.3
26	17.6	14.6	18.3	18.3	37.3	26.8	16.8	5.7	5.7	6.3	13.1	22.4
27	10.4	14.6	16.8	21.6	33.4	25.0	15.3	6.8	5.7	5.7	11.8	21.6
28	9.2	14.6	16.8	30.5	30.5	22.4	13.8	8.6	5.7	6.3	11.1	83.6
29	8.0		18.3	25.9	26.8	21.6	11.8	8.0	5.7	6.8	9.8	59.0
30	8.0		19.9	21.6	151.2	25.9	8.6	7.4	5.7	11.8	9.2	37.3
31	8.0		18.3		100.4		8.6	48.2		10.4		26.8
MEAN	12.32	14.75	23.59	70.54	126.28	128.02	19.21	9.86	43.58	5.51	13.23	20.99
INCHES	0.068	0.074	0.131	0.379	0.701	0.687	0.107	0.055	0.234	0.031	0.071	0.116
STA AV	0.103	0.108	0.168	0.194	0.374	0.304	0.204	0.080	0.125	0.119	0.117	0.097

Station Averages: 17 yr beginning 1963.
Conversion Factor: CFS to IN/DAY, multiply by 0.0001790. Inches to AC-FT, multiply by 11,083.

1978 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 522 NEAR MINNEKAH

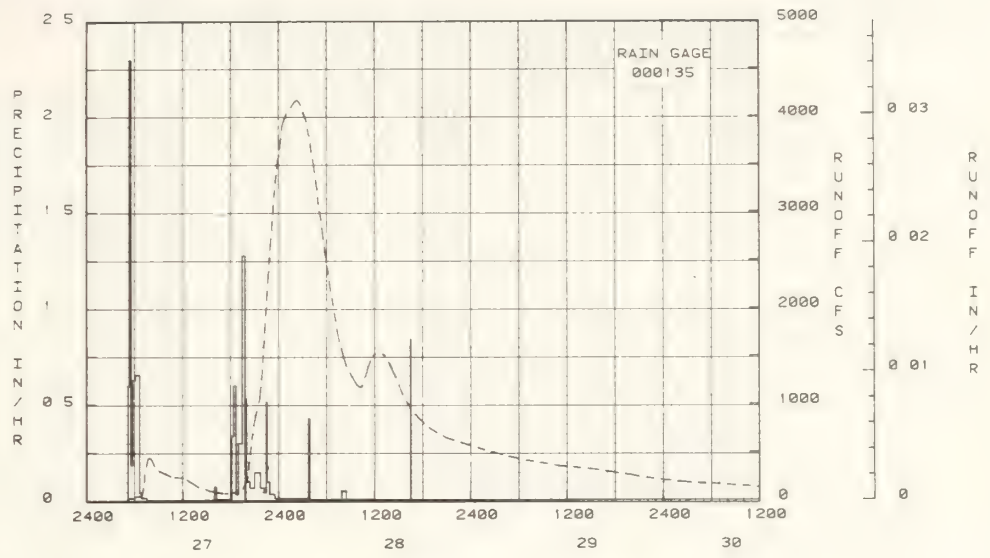
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 27 - 30, 1978							
RG 000135				RG 000135						
5-27	0.0	0.001	5-27	510	0.0	0.0	5-27	511	26.000	0.0
				519	0.6000	0.09		600	32.600	0.0002
				531	2.3000	0.55		611	48.200	0.0002
				544	0.1846	0.59		648	56.300	0.0005
				604	0.6300	0.80		700	80.700	0.0006
WATERSHED CONDITIONS:										
From a revised 1974 survey;				635	0.6581	1.14		706	137.000	0.0007
sowed crop - 15%; row crop -				650	0.0400	1.15		711	203.900	0.0008
2%; alfalfa - 1%; pasture				732	0.0143	1.16		718	285.099	0.0010
and range - 66%; miscel-				1558	0.0024	1.18		730	386.500	0.0015
laneous - 16%.				1614	0.0750	1.20		741	448.000	0.0020
				1807	0.0053	1.21		748	447.398	0.0024
				1823	0.3375	1.30		800	444.800	0.0031
				1840	0.6000	1.47		806	428.600	0.0034
				1859	0.0316	1.48		830	360.000	0.0046
				1927	0.3000	1.62		900	314.000	0.0059
				1950	1.2783	2.11		1030	252.300	0.0090
				1952	0.0	2.11		1100	242.600	0.0100
				2001	0.5333	2.19		1206	240.700	0.0119
				2025	0.1000	2.23		1230	219.100	0.0126
				2103	0.0632	2.27		1400	137.600	0.0146
				2144	0.1463	2.37		1530	100.400	0.0160
				2212	0.0643	2.40		1700	75.200	0.0169
				2227	0.0400	2.41		1718	70.800	0.0171
				2234	0.5143	2.47		1741	71.000	0.0173
				2253	0.0947	2.50		1800	76.800	0.0175
				2331	0.0316	2.52		1900	102.500	0.0181
			5-28	346	0.0094	2.56		1930	127.400	0.0186
				353	0.4286	2.61		1948	178.700	0.0189
				750	0.0025	2.62		2000	199.900	0.0192
				825	0.0514	2.65		2011	251.300	0.0195

Conversion Factor: CFS to IN/HR, multiply by 0.000007457.

1978 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 522 NEAR MINNEHAH

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	MAY	27 - 30, 1978	(CONTINUED)				
			5-28	1627	0.0025	2.67	5-27	2018	332.600	0.0197
				1632	0.8400	2.74		2023	410.800	0.0200
				2336	0.0	2.74		2030	495.100	0.0204
								2036	567.898	0.0208
								2041	640.198	0.0211
								2048	706.698	0.0217
								2100	831.698	0.0229
								2118	941.798	0.0249
								2141	1066.098	0.0277
								2148	1185.600	0.0287
								2200	1369.898	0.0306
								2211	1556.698	0.0327
								2218	1778.998	0.0341
								2230	2016.600	0.0370
								2236	2195.598	0.0385
								2241	2315.000	0.0399
								2248	2468.198	0.0420
								2300	2667.000	0.0458
								2311	2841.598	0.0496
								2323	3087.898	0.0540
								2336	3319.198	0.0592
								2348	3468.598	0.0643
								2400	3596.099	0.0695
							5-28	18	3785.000	0.0778
								30	3924.098	0.0835
								100	4039.800	0.0984
								200	4157.984	0.1290
								218	4181.785	0.1383
								230	4163.484	0.1445
								248	4120.891	0.1538
								330	3946.198	0.1748
								400	3704.998	0.1891
								430	3416.198	0.2024
								448	3233.800	0.2098
								511	2989.498	0.2187
								530	2788.198	0.2255
								548	2583.398	0.2315
								606	2427.299	0.2371
								623	2251.300	0.2421
								641	2102.898	0.2470
								700	1938.100	0.2517
								718	1778.000	0.2559
								736	1651.198	0.2597
								800	1526.800	0.2645
								830	1390.698	0.2699
								911	1284.100	0.2767
								948	1198.698	0.2824
								1000	1184.598	0.2842
								1011	1175.898	0.2858
								1023	1181.398	0.2876
								1030	1207.100	0.2886
								1100	1329.698	0.2934
								1130	1459.598	0.2986
								1148	1511.499	0.3019
								1206	1527.398	0.3053
								1300	1524.398	0.3155
								1318	1501.098	0.3189
								1400	1392.198	0.3264
								1441	1271.000	0.3332
								1530	1098.198	0.3404
								1630	953.800	0.3481
								1730	850.799	0.3548
								1900	738.398	0.3637
								2100	646.198	0.3740
								2400	562.398	0.3876
							5-29	300	487.000	0.3993
								600	424.100	0.4095
								1100	350.500	0.4239
								1500	321.300	0.4340
								1730	287.198	0.4396
								2100	240.800	0.4465
								2400	205.400	0.4515
							5-30	330	173.800	0.4565
								900	148.300	0.4631

Conversion Factor: CFS to IN/HR, multiply by 0.000007457.



EVENT OF MAY 27 - 30, 1978

CHICKASHA, OKLAHOMA WATERSHED 522 NEAR NINNEKAH

1978 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 522 NEAR NINNEKAH

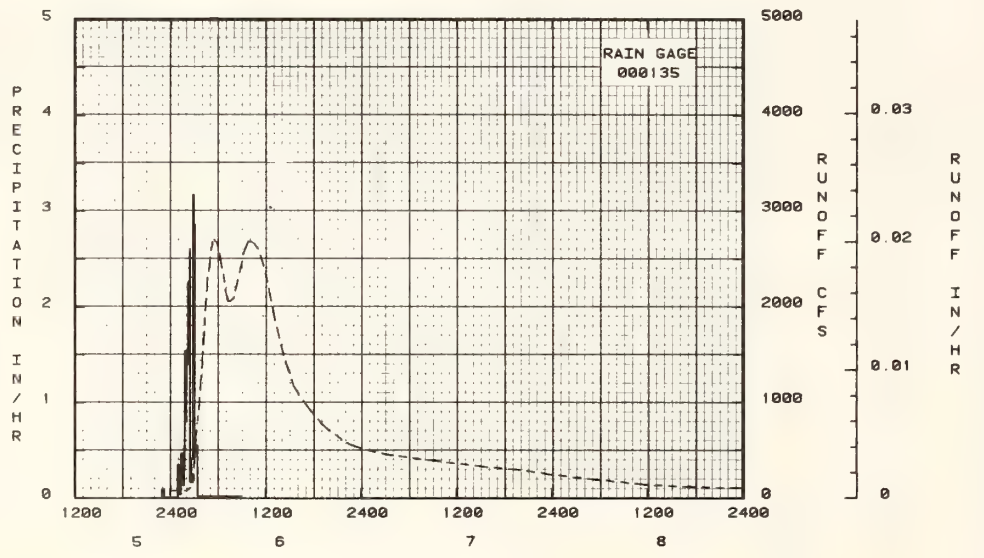
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 5 - 8, 1978							
			RG 000135							
6- 5	0.0	0.014	6- 5	2255	0.0	0.0	6- 5	2400	82.300	0.0
				2314	0.0947	0.03	6- 6	200	80.200	0.0012
			6- 6	53	0.0061	0.04		230	114.000	0.0016
				105	0.3500	0.11		248	168.300	0.0019
				120	0.0400	0.12		253	252.400	0.0020
WATERSHED CONDITIONS:										
From a revised 1974 survey;				134	0.4714	0.23		300	358.898	0.0023
sowed crop - 15%; row crop				143	0.1333	0.25		306	484.600	0.0026
2%; alfalfa - 1%; pasture				149	0.3000	0.28		311	605.198	0.0029
and range - 66%; miscel-				156	1.5429	0.46		318	711.600	0.0035
laneous - 16%.				202	0.8000	0.54		323	783.698	0.0040
				214	1.4000	0.82		336	944.100	0.0054
				223	2.2667	1.16		341	1055.998	0.0060
				226	2.6000	1.29		348	1173.898	0.0069
				237	0.1636	1.32		353	1285.398	0.0077
				250	0.4154	1.41		400	1394.698	0.0089
				257	3.1714	1.78		406	1532.500	0.0100
				305	2.8500	2.16		411	1666.198	0.0110
				312	0.4286	2.21		418	1816.198	0.0125
				326	0.5571	2.44		423	1969.000	0.0136
				855	0.0164	2.43		430	2089.698	0.0154
								436	2190.498	0.0170
								441	2308.500	0.0184
								448	2373.600	0.0205
								500	2519.398	0.0241
								518	2683.498	0.0299
								530	2702.198	0.0339
								536	2685.600	0.0360
								548	2674.300	0.0400
								600	2626.698	0.0439
								630	2406.998	0.0533

Conversion Factor: CFS to IN/HR, multiply by 0.000007454.

1978 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 522 NEAR NINNEKAH

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 5 - 8, 1978 (CONTINUED)							
							6- 6	700	2151.698	0.0618
								718	2052.098	0.0665
								730	2057.999	0.0695
								800	2101.398	0.0773
								830	2285.000	0.0855
								900	2475.858	0.0944
								918	2590.000	0.1000
								948	2686.658	0.1099
								1000	2683.998	0.1139
								1018	2677.600	0.1199
								1030	2661.500	0.1239
								1100	2607.998	0.1337
								1130	2497.000	0.1432
								1200	2331.000	0.1522
								1230	2133.398	0.1605
								1300	1930.100	0.1681
								1330	1743.800	0.1749
								1400	1571.658	0.1811
								1430	1421.598	0.1867
								1500	1309.998	0.1918
								1530	1171.698	0.1964
								1611	1077.858	0.2022
								1700	960.398	0.2084
								1800	879.758	0.2154
								1900	773.098	0.2215
								2000	702.099	0.2270
								2130	610.898	0.2344
								2230	561.800	0.2387
								2400	516.300	0.2448
							6- 7	300	456.500	0.2556
								900	388.898	0.2746
								1500	327.100	0.2906
								2000	289.198	0.3021
								2400	240.800	0.3100
							6- 8	600	184.600	0.3195
								1200	134.000	0.3266

Conversion Factor: CFS to IN/HR, multiply by 0.000007454.



EVENT OF JUNE 5 - 8, 1978

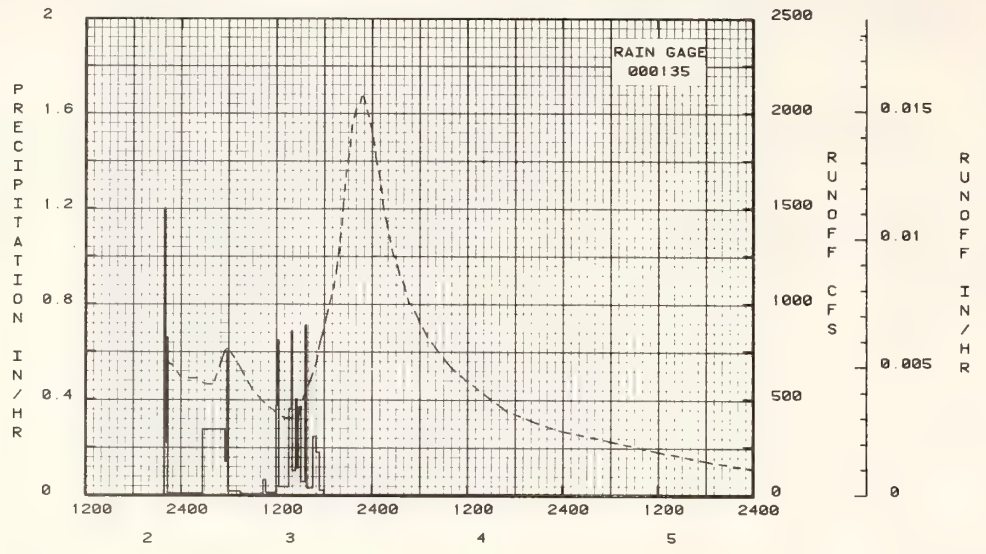
CHICKASHA, OKIAHOMA WATERSHED 522 NEAR NINNEKAH

69.015- 7

1979 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 522 NEAR MINNEHAH

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 2 - 5, 1979							
RG 000135			RG 000135							
5- 2	0.65	0.130	5- 2	2150	0.0	0.0	5- 2	2200	655.698	0.0
				2159	1.2000	0.18		2300	673.398	0.0051
				2210	0.2182	0.22		2400	608.198	0.0099
				2220	0.6600	0.33	5- 3	200	608.698	0.0190
			5- 3	242	0.0046	0.35		300	578.698	0.0234
WATERSHED CONDITIONS:										
From a revised 1974 survey;				533	0.2737	1.13		348	574.698	0.0268
sowed crop - 15%; row crop -				546	0.1385	1.16		411	597.000	0.0285
2%; alfalfa - 1%; pasture				555	0.6000	1.25		500	652.698	0.0324
and range - 66%; miscel-				732	0.0124	1.27		539	755.600	0.0351
laneous - 16%.				1022	0.0035	1.28		541	763.300	0.0362
				1041	0.0632	1.30		553	760.600	0.0373
				1158	0.0078	1.31		611	746.800	0.0390
				1206	0.3750	1.36		739	659.000	0.0459
				1219	0.6462	1.50		900	545.398	0.0526
				1335	0.0316	1.54		1030	477.398	0.0583
				1355	0.3600	1.66		1200	428.898	0.0634
				1402	0.6857	1.74		1300	401.000	0.0665
				1426	0.1000	1.78		1400	397.198	0.0695
				1435	0.4000	1.84		1500	423.000	0.0725
				1446	0.1091	1.86		1523	506.800	0.0739
				1504	0.3667	1.97		1618	600.598	0.0776
				1538	0.0529	2.00		1700	688.800	0.0810
				1549	0.7091	2.13		1730	797.798	0.0838
				1634	0.0267	2.15		1800	867.198	0.0869
				1701	0.2444	2.26		1830	968.300	0.0903
				1725	0.1750	2.33		1911	1080.898	0.0955
				1800	0.0171	2.34		1941	1217.398	0.0998
								2006	1370.198	0.1038
								2023	1513.599	0.1069
								2041	1664.898	0.1104
								2100	1750.000	0.1145
								2130	1938.600	0.1213
								2200	2022.898	0.1287
								2230	2056.398	0.1363
								2241	2067.599	0.1392
								2253	2090.898	0.1423
								2306	2052.398	0.1456
								2400	1904.398	0.1589
							5- 4	30	1764.500	0.1658
								100	1652.500	0.1721
								130	1487.598	0.1780
								200	1393.398	0.1834
								241	1250.898	0.1901
								300	1235.398	0.1930
								330	1146.198	0.1975
								400	1099.598	0.2017
								441	995.898	0.2070
								500	991.698	0.2094
								600	902.300	0.2164
								700	820.800	0.2228
								830	741.500	0.2316
								930	687.198	0.2369
								1030	640.198	0.2419
								1200	591.498	0.2487
								1500	495.300	0.2609
								1700	434.000	0.2678
								2100	366.500	0.2798
								2400	326.600	0.2875
							5- 5	600	275.898	0.3010
								1200	220.600	0.3121

Conversion Factor: CFS to IN/HR, multiply by 0.000007457.



EVENT OF MAY 2 - 5, 1979

CHICKASHA, OKLAHOMA WATERSHED 522 NEAR NINNEKAH

1979 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 522 NEAR NINNEKAH

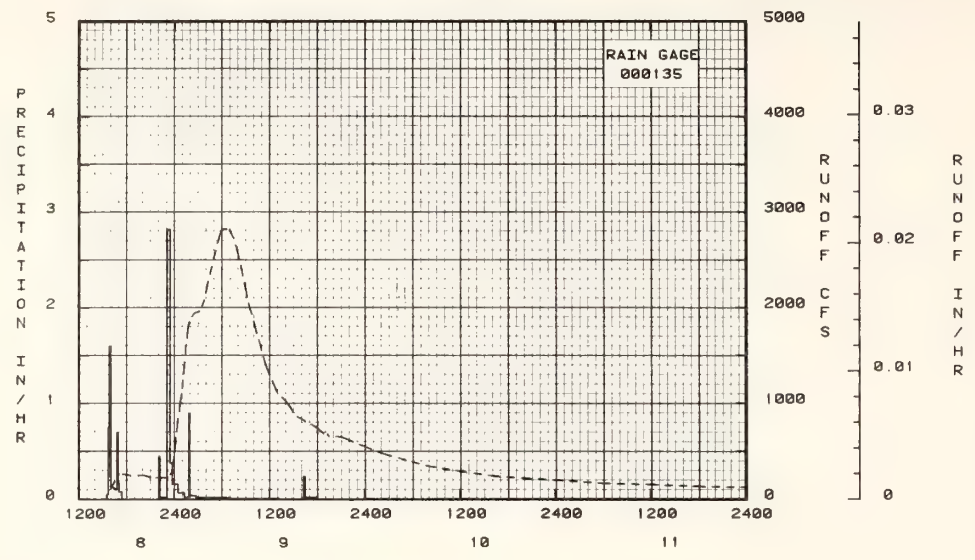
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 8 - 11, 1979							
RG 000135			RG 000135							
6- 8	0.0	0.013	6- 8	1530	0.0	0.0	6- 8	1600	125.200	0.0
				1541	0.0545	0.01		1630	192.600	0.0006
				1545	0.7500	0.06		1653	266.100	0.0012
				1550	0.2400	0.08		1700	266.100	0.0015
				1559	1.6000	0.32		1730	265.500	0.0025
WATERSHED CONDITIONS:										
From a revised 1974 survey;				1629	0.1200	0.38		1830	243.900	0.0044
sowed crop - 15%; row crop				1647	0.1000	0.41		2000	253.700	0.0071
2%; alfalfa - 1%; pasture				1653	0.7000	0.48		2100	226.100	0.0089
and range - 66%; miscel-				1700	0.1714	0.50		2141	222.700	0.0101
laneous - 16%.				1724	0.0750	0.53		2311	223.200	0.0126
				2205	0.0	0.53		2330	262.800	0.0131
				2213	0.4500	0.59		2341	284.600	0.0135
				2305	0.0115	0.60		2353	375.398	0.0140
				2329	2.8250	1.73		2400	446.698	0.0144
				2345	0.3750	1.83	6- 9	6	533.698	0.0147
			6- 9	28	0.1535	1.94		11	645.800	0.0151
				115	0.0638	1.99		18	710.600	0.0157
				153	0.0158	2.00		30	847.298	0.0168
				155	0.9000	2.03		41	949.998	0.0181
				246	0.0353	2.06		53	1050.998	0.0196
				658	0.0143	2.12		106	1243.698	0.0215
				1310	0.0016	2.13		118	1436.300	0.0235
				1618	0.0	2.13		130	1615.800	0.0258
				1628	0.2400	2.17		141	1751.398	0.0281
				1802	0.0128	2.19		153	1854.698	0.0308
								230	1949.898	0.0395
								311	1970.600	0.0495
								330	2020.898	0.0542
								348	2086.100	0.0588
								406	2207.098	0.0636

Conversion Factor: CFS to IN/HR, multiply by 0.000007454.

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 522 NEAR BINNEKAH

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 8 - 11, 1979 (CONTINUED)							
							6- 9	430	2361.800	0.0704
								500	2529.098	0.0795
								530	2699.100	0.0893
								600	2828.498	0.0996
								611	2824.800	0.1034
								636	2824.800	0.1122
								700	2809.998	0.1206
								730	2726.698	0.1309
								800	2587.300	0.1409
								830	2407.898	0.1502
								900	2189.500	0.1587
								923	2041.658	0.1648
								949	1927.100	0.1710
								1011	1806.198	0.1763
								1041	1653.198	0.1827
								1100	1555.300	0.1865
								1130	1418.158	0.1921
								1200	1303.000	0.1971
								1230	1206.998	0.2018
								1300	1116.498	0.2062
								1400	1025.500	0.2141
								1500	913.100	0.2214
								1530	853.898	0.2247
								1630	812.800	0.2309
								1800	738.398	0.2396
								1849	678.698	0.2438
								1918	673.600	0.2463
								1930	652.398	0.2473
								2100	646.658	0.2546
								2230	594.100	0.2615
								2400	543.898	0.2679
							6-10	230	463.000	0.2773
								600	384.500	0.2883
								800	339.600	0.2937
								1200	266.100	0.3030
								1700	228.200	0.3126
								2100	205.700	0.3191
								2400	192.900	0.3236
							6-11	600	159.700	0.3315
								1200	146.400	0.3383

Conversion Factor: CFS to IN/HR, multiply by 0.000007454.



EVENT OF JUNE 8 - 11, 1979

CHICKASHA, OKLAHOMA WATERSHED 522 NEAR MINNEKAH

LOCATION: Grady County, Okla.; near Highway 62 in the vicinity of Taeler; tributary of East Bitter Creek; Washita River; Red River Basin. GAGING STATION--NW1/4 sec. 26, T. 7N., R. 6 W., Lat. 35 deg. 03 min. 29 sec., Long. 97 deg. 48 min. 31 sec.

AREA: 7225.60 acres 11.29 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TAELER

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.71	1.32	2.26	2.36	4.98	2.74	4.54	1.13	3.21	2.28	4.34	1.10	32.97
1968	Q	0.091	0.089	0.284	0.189	0.307	0.353	0.444	0.076	0.234	0.145	0.196	0.141	2.549
	P	0.90	2.58	2.15	1.36	5.29	3.72	3.41	2.58	3.84	1.45	0.38	1.72	29.34
1969	Q	0.102	0.129	0.165	0.223	0.862	0.502	0.288	0.095	0.147	0.102	0.103	0.108	2.825
	P	0.11	0.75	2.20	2.17	3.72	1.33	1.32	2.05	7.94	3.09	1.07	0.36	26.11
1970	Q	0.118	0.102	0.141	0.118	0.187	0.058	0.007	0.014	0.614	0.152	0.076	0.093	1.680
	P	0.56	1.77	0.19	0.73	4.10	4.86	2.75	3.68	6.01	5.70	0.59	3.26	34.20
1971	Q	0.094	0.093	0.075	0.075	0.091	0.379	0.034	0.082	0.392	0.694	0.094	0.319	2.412
	P	0.17	0.61	0.91	4.38	3.11	0.90	1.47	1.49	0.86	8.59	2.42	0.72	25.63
1972	Q	0.144	0.129	0.137	0.211	0.203	0.061	0.027	0.001	0.001	0.387	0.173	0.104	1.578
	P	3.47	0.64	5.99	2.67	7.97	6.01	3.70	1.64	7.26	3.24	3.48	0.10	46.17
1973	Q	0.217	0.186	1.006	0.658	2.500	2.008	0.429	0.277	0.431	0.392	0.723	0.412	9.240
	P	0.17	1.81	1.71	4.52	3.21	1.11	0.69	5.05	4.02	5.30	1.63	1.59	30.81
1974	Q	0.258	0.236	0.266	0.447	0.414	0.149	0.071	0.239	0.108	0.279	0.218	0.164	2.848
	P	1.97	2.19	2.01	2.79	8.34	4.95	3.91	1.14	2.07	0.98	1.09	1.13	32.57
1975	Q	0.364	0.294	0.439	0.644	1.417	1.147	0.356	0.238	0.201	0.262	0.334	0.370	6.065
	P	0.0	0.33	2.82	3.58	1.74	2.81	3.85	1.62	2.58	2.26	0.15	0.53	22.27
1976	Q	0.159	0.175	0.249	0.164	0.142	0.130	0.162	0.071	0.112	0.068	0.074	0.099	1.606
	P	0.52	1.56	1.39	2.55	9.78	2.20	1.18	1.52	1.20	1.43	1.05	0.15	24.53
1977	Q	0.103	0.091	0.099	0.111	1.001	0.125	0.036	0.017	0.026	0.047	0.057	0.060	1.774
STA AV	P	0.97	1.24	2.16	3.03	5.17	2.97	2.58	2.11	4.04	3.37	1.50	1.07	30.22
	Q	0.165	0.152	0.286	0.284	0.666	0.451	0.170	0.101	0.220	0.236	0.195	0.180	3.107

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1968	7- 1	0.044	7- 1	0.040	7- 1	0.067	7- 1	0.112	7- 1	0.129	9- 3	0.141	9- 3	0.161	5-31	0.297
1969	5- 6	0.077	5- 6	0.075	5- 6	0.141	5- 6	0.277	5- 6	0.341	5- 6	0.377	5- 6	0.418	5- 3	0.638
1970	9-22	0.089	9-22	0.084	9-22	0.157	9-22	0.333	9-22	0.515	9-22	0.567	9-22	0.586	9-22	0.609
1971	10- 2	0.092	10- 2	0.090	10- 2	0.175	10- 2	0.413	10- 2	0.522	10- 2	0.559	10- 2	0.572	10- 2	0.606
1972	10-30	0.024	10-30	0.024	10-30	0.046	10-30	0.115	10-31	0.169	10-30	0.229	10-30	0.358	10-30	0.392
1973	5-24	0.352	5-24	0.349	5-24	0.686	5-24	1.296	5-24	1.373	5-24	1.453	5-24	1.495	5-24	2.075
1974	4-29	0.063	4-29	0.059	4-29	0.109	4-29	0.186	4-29	0.202	4-29	0.213	4-29	0.311	4-29	0.452
1975	5-22	0.113	5-22	0.111	5-22	0.215	5-22	0.444	5-22	0.589	5-22	0.674	5-22	0.786	5-22	1.098
1976	7-16	0.012	7-16	0.011	7-15	0.018	7-15	0.032	7-15	0.044	7-15	0.073	7-15	0.092	3-25	0.125
1977	5-19	0.124	5-20	0.110	5-19	0.200	5-19	0.297	5-19	0.331	5-19	0.365	5-19	0.656	5-19	0.846
							MAXIMUMS FOR PERIOD OF RECORD									
	5-24 1973	0.352	5-24 1973	0.349	5-24 1973	0.686	5-24 1973	1.296	5-24 1973	1.373	5-24 1973	1.453	5-24 1973	1.495	5-24 1973	2.075

Watershed Conditions: 4% crop land is in alfalfa, small grains, and row crop rotation. The remaining 96% is used for pasture or range. Approximately 43% is thin steep land that has been overgrazed.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Pub. 1262, page 69.21-6. Composite - Hydrolcgic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA Misc. Pub. 1216, page 69.7-21.
Precipitation: Records began Jan. 1967. Thiessen weighted average of 22 rain gages for 1967-74 and 19 gages for 1975 onward.
Runoff: Records began May 1967. STA AV values based on 11 yr beginning 1967.
Long-Term Precipitation: National Weather Service records at Chickasha, Oklahoma.

Cooperative Research Project of USDA and Oklahoma Agricultural Experiment Station

1968	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 514 NEAR TABLER					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.14	0.0	0.18	0.0	0.83	2.21	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.0
3	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	1.18	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.01	0.07	0.0	0.0	1.21	0.01	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0	1.09	0.0	0.0
6	0.04	0.0	0.0	0.0	0.74	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.09	0.0	0.02	0.62	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.89	0.0	0.0	0.0	0.0	0.97	0.0	0.0
10	0.0	0.0	0.12	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.14	0.0
11	0.05	0.0	0.27	0.0	0.06	0.0	0.0	0.02	0.0	0.0	0.0	0.0
12	0.0	0.11	0.0	0.36	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.07
13	0.0	0.07	0.0	0.0	0.45	0.0	1.00	0.17	0.0	0.0	0.0	0.0
14	0.0	0.17	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.20	0.0
15	0.0	0.0	0.0	0.0	0.11	0.15	0.02	0.71	0.05	0.0	1.23	0.0
16	0.0	0.0	0.0	0.0	0.0	0.53	0.0	0.0	0.0	0.17	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0
18	1.54	0.01	0.21	0.80	0.0	0.0	0.65	0.0	0.0	0.0	0.0	0.19
19	0.10	0.0	0.96	0.24	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0
20	0.05	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.18	0.29	0.0	0.20	0.44	0.0	0.0	0.0	0.0	0.04	0.0	0.26
22	0.06	0.13	0.05	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.10	0.0	0.0	0.0
25	0.0	0.0	0.0	0.01	1.24	0.07	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.38	0.0
27	0.43	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.58
28	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.24	0.0
29	0.08	0.0	0.0	0.0	0.06	0.0	0.01	0.0	0.0	0.0	0.0	0.0
30	0.18		0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.07	0.0
31	0.0		0.0		0.76		0.13	0.02		0.0		0.0
TOTAL	2.71	1.32	2.26	2.36	4.98	2.74	4.54	1.13	3.21	2.28	4.34	1.10
STA AV	1.40	0.70	2.17	4.31	4.79	2.40	3.07	1.22	4.34	2.50	2.33	1.11

Gaging: Thiessen weighted average of 22 rain gages.
Station Averages: 2 yr beginning 1967.

1969	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 514 NEAR TABLER					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.43	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.49	0.0	0.0	0.0	0.0	0.45	0.53	0.0	0.02	0.0
3	0.0	0.0	0.04	0.0	1.60	0.0	0.0	0.0	0.05	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.06	0.0	0.0	0.01	0.0
5	0.0	0.0	0.14	0.0	0.33	0.0	0.0	0.0	0.0	0.13	0.0	0.83
6	0.0	0.0	0.0	0.0	1.98	0.0	0.0	0.0	0.0	0.25	0.0	0.02
7	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0
11	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.18	0.01	0.0	0.0
12	0.0	0.0	0.0	0.05	0.51	0.03	0.0	0.0	0.0	0.40	0.0	0.0
13	0.0	0.50	0.0	0.10	0.01	1.30	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	1.09	0.07	0.0	0.01	1.73	0.0	0.0	0.06	0.0	0.0	0.0
15	0.01	0.03	0.02	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.48	0.28	0.0	0.0	0.0	1.32	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0
19	0.01	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.62	0.0	0.0	0.0	0.0	2.59	0.0	0.0	0.01	0.0	0.09
21	0.0	0.27	0.0	0.0	0.0	0.0	0.07	0.0	0.88	0.03	0.0	0.0
22	0.0	0.0	0.31	0.0	0.0	0.0	0.10	0.57	0.82	0.06	0.0	0.0
23	0.0	0.05	1.05	0.11	0.0	0.0	0.0	0.05	0.0	0.19	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.55	1.05	0.0	0.0	0.0
26	0.0	0.0	0.0	0.61	0.0	0.0	0.01	0.0	0.0	0.0	0.35	0.0
27	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01	0.0	0.08	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.01	0.0	0.45
29	0.80		0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.25	0.0	0.28
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.05
31	0.08		0.0		0.0		0.09	0.0		0.0		0.0
TOTAL	0.90	2.58	2.15	1.36	5.29	3.72	3.41	2.58	3.84	1.45	0.38	1.72
STA AV	1.23	1.33	2.16	3.32	4.96	2.84	3.18	1.67	4.17	2.15	1.68	1.31

Gaging: Thiessen weighted average of 22 rain gages.
Station Averages: 3 yr beginning 1967.

1970 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLEF

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.16	0.0	0.16	0.0	0.0	0.03	0.04	0.17	0.1
2	0.0	0.0	0.01	0.0	0.0	0.05	0.0	0.0	0.05	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.50	0.01	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.29	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.09	0.0	0.0
6	0.0	0.0	0.61	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0
7	0.0	0.01	0.24	0.0	0.0	0.0	0.0	0.0	0.05	0.54	0.0	0.0
8	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.57	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.01	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.14	0.06	0.0	0.07	0.0	0.0	0.0
12	0.0	0.0	0.02	0.0	0.0	0.0	0.57	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.62	0.0	0.89	0.0
14	0.0	0.0	0.0	0.0	1.64	0.0	0.0	0.0	0.75	0.0	0.01	0.0
15	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.25
16	0.0	0.0	0.50	0.25	0.0	0.0	0.0	0.0	0.35	0.04	0.0	0.0
17	0.10	0.0	0.01	0.02	0.0	0.0	0.0	0.0	0.45	0.15	0.0	0.0
18	0.01	0.0	0.02	0.16	0.0	0.0	0.0	0.92	0.0	0.0	0.0	0.0
19	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.98	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.19	0.32	0.01	0.0	0.0	0.0	0.01
21	0.0	0.0	0.06	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.10
22	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.11	5.42	0.63	0.0	0.0
23	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.02	0.0	0.0
24	0.0	0.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
26	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.04	0.01	0.0	0.0
27	0.0	0.14	0.0	0.0	0.23	0.0	0.01	0.0	0.0	0.0	0.0	0.0
28	0.0	0.17	0.56	0.0	0.01	0.0	0.18	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.29	1.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.02	0.96	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.16		0.0	0.0		0.0		0.0
TOTAL	0.11	0.75	2.20	2.17	3.72	1.33	1.32	2.05	7.94	3.09	1.07	0.36
STA AV	0.95	1.18	2.17	3.04	4.65	2.46	2.72	1.77	5.12	2.38	1.53	1.07

Gaging: Thiesser weighted average of 22 rain gages.
Station Averages: 4 yr beginning 1967.

1971 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLEF

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.01	0.0	0.84	0.0	0.0	0.0	0.0	0.03
2	0.13	0.0	0.06	0.0	0.0	1.16	0.01	0.0	0.0	3.46	0.0	0.58
3	0.43	0.0	0.0	0.0	0.02	0.74	0.0	0.0	0.0	0.17	0.0	0.11
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.11	0.0	0.0	0.0
7	0.0	0.93	0.0	0.0	0.0	0.72	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.98	0.0	0.06	0.03	0.40
9	0.0	0.0	0.0	0.0	0.72	0.21	0.06	0.0	0.01	0.0	0.0	0.15
10	0.0	0.0	0.0	0.0	0.01	0.34	0.0	0.01	0.0	0.0	0.0	0.20
11	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.85	0.0	0.11	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.60	0.0	0.0	0.0	1.21
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	1.33	0.02	0.12	0.0
18	0.0	0.19	0.0	0.0	0.11	0.0	0.0	0.0	2.14	0.49	0.0	0.0
19	0.0	0.0	0.0	0.16	0.0	0.0	0.01	0.0	0.09	0.64	0.0	0.0
20	0.0	0.0	0.0	0.09	0.0	0.25	0.0	0.0	0.0	0.11	0.0	0.0
21	0.0	1.45	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.05	0.0	0.0	0.15	0.0	0.0	0.0	0.35	0.0
23	0.0	0.0	0.0	0.0	1.13	0.0	0.89	0.0	0.27	0.0	0.04	0.0
24	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	1.90	0.0	0.0	0.0
25	0.0	0.01	0.13	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0
26	0.0	0.0	0.0	0.04	0.80	0.0	0.0	0.0	0.0	0.72	0.0	0.0
27	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.02	0.0	0.01	0.0	0.02	0.79	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.18	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.39
30	0.0		0.0	0.0	0.30	0.01	0.0	0.0	0.0	0.03	0.05	0.0
31	0.0		0.0		0.80		0.0	0.0		0.0		0.0
TOTAL	0.56	1.77	0.19	0.73	4.10	4.86	2.75	3.68	6.01	5.70	0.59	3.26
STA AV	0.87	1.30	1.77	2.57	4.54	2.94	2.72	2.15	5.29	3.05	1.34	1.51

Gaging: Thiesser weighted average of 22 rain gages.
Station Averages: 5 yr beginning 1967.

1972 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0
2	0.0	0.05	0.0	0.0	0.0	0.0	0.94	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.03	0.0	0.12	0.0	0.30	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
6	0.0	0.0	0.0	0.0	0.53	0.0	0.0	0.01	0.0	0.0	0.07	0.0
7	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.02	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.37	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0
10	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.43	0.0	0.0	0.0	0.0	0.03	0.01	0.0	0.0	0.0	0.15
12	0.0	0.0	0.0	0.0	1.77	0.04	0.0	0.05	0.0	0.0	0.85	0.05
13	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.25	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.02	0.0	0.0
15	0.0	0.0	0.0	1.11	0.0	0.06	0.0	0.0	0.0	0.01	0.0	0.02
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.13	0.77	0.0
19	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.62	1.38	0.0	0.0	0.0	0.0	0.0	0.19	0.03	0.18
21	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.11	0.16	3.20	0.18	0.0
22	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.08	0.0	0.12	0.0	0.0
23	0.0	0.0	0.29	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.40	0.0	0.0	0.24	0.0
25	0.0	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.03	0.0
26	0.06	0.0	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
27	0.08	0.0	0.0	0.83	0.01	0.25	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01	0.0	0.0	0.0
29	0.0	0.0	0.0	0.07	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.29
30	0.0		0.0	0.37	0.0	0.0	0.0	0.01	0.0	2.62	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		2.20		0.0
TOTAL	0.17	0.61	0.91	4.38	3.11	0.50	1.47	1.49	0.86	8.59	2.42	0.72
STA AV	0.76	1.19	1.63	2.88	4.30	2.60	2.52	2.04	4.56	3.97	1.52	1.38

Gaging: Thiesser weighted average of 22 rain gages.
Station Averages: 6 yr beginning 1967.

1973 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.09	0.0	0.0	0.60	0.0	0.0	0.44	0.0	0.0	0.0
2	0.41	0.0	0.0	0.39	0.0	1.78	0.0	0.0	0.0	0.0	0.0	0.0
3	0.75	0.0	0.21	0.05	0.0	0.0	0.0	0.0	0.27	0.25	0.0	0.10
4	0.0	0.0	0.0	0.0	0.0	1.11	0.0	0.0	0.14	0.38	0.0	0.0
5	0.0	0.0	0.02	0.0	0.03	0.0	0.0	0.0	0.67	0.22	0.0	0.0
6	0.35	0.0	1.05	0.0	0.76	0.0	0.0	0.0	1.49	0.11	0.05	0.0
7	0.18	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.01	0.0
8	0.0	0.0	0.12	0.39	0.0	0.0	0.0	0.0	0.22	0.0	0.03	0.0
9	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.85	0.0	0.0	0.0	0.0
10	0.0	0.0	0.98	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.92	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.91	0.48	0.0	0.0
13	0.0	0.0	0.20	0.18	0.0	0.12	0.33	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.05	0.0	0.13	0.02	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.79	0.0	0.0	0.0	0.78	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.65	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0
18	0.0	0.03	0.0	0.0	0.0	0.65	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.47	0.0	0.45	0.0	0.0	0.0	0.0	1.99	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.54	0.0	0.0	0.0	0.08	0.0
21	0.75	0.0	0.0	0.0	0.03	0.0	0.23	0.0	0.0	0.0	0.0	0.0
22	0.0	0.14	0.03	0.33	1.61	0.0	1.44	0.0	0.25	0.0	0.0	0.0
23	0.0	0.0	1.84	0.0	0.15	0.0	0.02	0.0	0.0	0.0	0.02	0.0
24	0.0	0.0	1.01	0.02	3.16	0.0	0.0	0.0	0.01	0.0	1.22	0.0
25	0.53	0.15	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.74	0.50	0.0	0.0
27	0.03	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.53	0.38	0.08	0.0
28	0.0	0.0	0.0	0.0	0.0	0.19	0.05	0.0	0.0	0.0	0.0	0.0
29	0.0		0.10	0.0	0.0	0.14	0.0	0.01	0.0	0.0	0.0	0.0
30	0.0		0.16	0.0	0.74	0.0	0.74	0.0	0.0	0.0	0.0	0.0
31	0.22		0.0		1.49		0.0	0.0		0.0		0.0
TOTAL	3.47	0.64	5.99	2.67	7.97	6.01	3.70	1.64	7.26	3.24	3.48	0.10
STA AV	1.14	1.11	2.25	2.85	4.82	3.09	2.68	1.98	4.94	3.87	1.80	1.20

Gaging: Thiesser weighted average of 22 rain gages.
Station Averages: 7 yr beginning 1967.

1974 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.02	0.0	0.0	0.0	1.29	0.0	0.0	0.36	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.94	0.0	0.13	0.0
3	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.04	0.0	0.0	0.76	0.0
4	0.0	0.0	0.0	0.0	0.0	0.05	0.31	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.11
6	0.0	0.0	0.0	0.0	0.0	0.61	0.0	0.06	0.0	0.12	0.0	0.01
7	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.09	0.05	0.0
8	0.0	0.0	0.16	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
9	0.12	0.0	0.04	0.0	0.0	0.0	0.0	1.72	0.0	0.0	0.36	0.0
10	0.0	0.0	1.08	0.01	0.0	0.0	0.0	1.95	0.0	0.0	0.25	0.83
11	0.0	0.0	0.0	1.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.21	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.06	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.14	0.0	0.0
15	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.01	0.0	0.0	0.0
18	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.02	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0
20	0.0	0.79	0.37	0.01	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0
21	0.0	0.69	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	1.19	0.89	0.0	0.0
25	0.0	0.0	0.0	0.0	1.13	0.0	0.0	0.0	0.18	0.40	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.07	0.0	0.0
27	0.01	0.0	0.0	0.02	0.0	0.0	0.0	0.69	0.0	0.10	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.97	0.0	0.0
29	0.0		0.0	2.99	0.0	0.0	0.38	0.0	0.0	0.0	0.08	0.0
30	0.0		0.0	0.07	0.0	0.0	0.0	0.0	0.0	1.98	0.0	0.15
31	0.0		0.0		0.59		0.0	0.0		0.27		0.24
TOTAL	0.17	1.81	1.71	4.52	3.21	1.11	0.69	5.05	4.02	5.30	1.63	1.59
STA AV	1.02	1.20	2.19	3.06	4.62	2.84	2.44	2.37	4.83	4.05	1.78	1.25

Gaging: Thiesser weighted average of 22 rain gages.
Station Averages: 8 yr beginning 1967.

1975 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.10	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0
2	0.86	0.33	0.0	0.0	0.61	0.0	0.0	0.29	0.0	0.0	0.20	0.0
3	0.0	0.31	0.0	0.0	0.01	0.0	0.18	0.0	0.0	0.0	0.01	0.0
4	0.0	0.08	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.0
5	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.0	0.17	0.06
6	0.0	0.0	0.0	0.0	0.0	0.72	0.0	0.0	0.0	0.0	0.04	0.0
7	0.0	0.0	0.0	0.74	0.0	0.16	0.42	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.34	0.0	0.0	0.11	0.03	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.01	1.19	0.52	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.18	0.0	0.06	0.0	0.01	0.0	0.60	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0
13	0.0	0.0	0.0	0.40	1.07	0.0	0.0	0.0	0.45	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.35	0.22	0.13	0.0	0.0
15	0.0	0.09	0.14	0.0	0.0	0.0	0.0	0.07	0.05	0.71	0.0	0.0
16	0.0	0.47	0.01	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.09	0.03	0.0	0.42	0.0	0.26	0.04	0.0	0.0	0.0
18	0.0	0.0	0.29	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.43	0.0	0.05	0.0	0.0	0.0	0.61	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.11	0.0	0.0	0.0
22	0.0	0.65	0.0	0.01	3.60	0.84	0.0	0.0	0.0	0.0	0.0	0.03
23	0.0	0.0	0.0	0.0	0.62	0.69	0.0	0.0	0.0	0.0	0.0	0.08
24	0.04	0.0	0.0	0.0	0.0	0.0	1.68	0.0	0.0	0.0	0.0	0.61
25	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.18
26	0.0	0.0	0.13	0.0	0.0	0.0	0.55	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.66	0.38	0.12	0.0	0.02	0.17	0.0	0.0	0.0	0.0
28	0.0	0.0	0.17	0.0	0.86	0.0	0.34	0.0	0.0	0.0	0.0	0.08
29	0.0		0.0	1.20	0.56	0.0	0.02	0.0	0.0	0.0	0.06	0.09
30	0.85		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.12		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.97	2.19	2.01	2.79	8.34	4.95	3.91	1.14	2.07	0.98	1.09	1.13
STA AV	1.13	1.31	2.17	3.03	5.04	3.07	2.60	2.23	4.52	3.70	1.70	1.23

Gaging: Thiesser weighted average of 19 rain gages.
Station Averages: 9 yr beginning 1967.

1976	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 514 NEAR TABLER						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0
4	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.02	0.0	0.10	0.0	0.0
5	0.0	0.33	0.0	0.0	0.25	0.0	0.0	0.99	0.0	0.11	0.0	0.40
6	0.0	0.0	0.0	0.0	0.01	0.20	0.0	0.18	0.0	0.0	0.0	0.13
7	0.0	0.0	1.06	0.32	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0
8	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.05	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.14	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.10	0.0
12	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	1.21	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.79	0.0	0.03	0.0
14	0.0	0.0	0.0	0.01	0.0	0.0	0.02	0.0	0.01	0.0	0.02	0.0
15	0.0	0.0	0.0	0.79	0.0	0.0	2.97	0.0	0.0	0.02	0.0	0.0
16	0.0	0.0	0.0	0.16	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
18	0.0	0.0	0.0	0.02	0.0	0.17	0.0	0.0	0.0	0.03	0.0	0.0
19	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.0
20	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.33	0.01	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.04	0.80	0.0	0.15	0.0	0.15	0.0	0.0
24	0.0	0.0	0.02	0.0	0.0	1.07	0.0	0.01	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.53	0.0	0.0	0.0	0.0	0.07	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.04	0.0	0.0
28	0.0	0.0	0.13	0.97	0.0	0.0	0.57	0.0	0.0	0.01	0.0	0.0
29	0.0	0.0	0.25	0.0	0.01	0.0	0.0	0.01	0.0	1.50	0.0	0.0
30	0.0		0.0	0.13	0.22	0.0	0.0	0.0	0.0	0.03	0.0	0.0
31	0.0		0.0		0.15		0.0	0.26		0.0		0.0
TOTAL	0.0	0.33	2.82	3.58	1.74	2.81	3.85	1.62	2.58	2.26	0.15	0.53
STA AV	1.02	1.21	2.23	3.08	4.71	3.05	2.72	2.17	4.33	3.56	1.55	1.16

Gaging: Thiessen weighted average of 19 rain gages.
Station Averages: 10 yr beginning 1967.

1977	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 514 NEAR TABLER						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.02	0.17	0.0	0.44	0.06	0.0	0.0	0.03	0.02
2	0.0	0.01	0.16	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.05	0.0
3	0.0	0.05	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.03	0.0
4	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.02	0.52	0.0	0.05
5	0.0	0.0	0.0	0.0	0.58	0.0	0.0	0.0	0.15	0.01	0.0	0.0
6	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
8	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0
9	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0
10	0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
11	0.0	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.09	0.02	0.0	0.0	0.0	0.02	0.0	0.0	0.20	0.0	0.0	0.01
13	0.05	0.0	0.0	0.02	0.49	0.0	0.0	0.02	0.78	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.40	0.37	0.0	0.02	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.17	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.03	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	3.03	0.0	0.0	0.54	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	1.64	2.10	0.0	0.0	0.0	0.01	0.0	0.0	0.0
21	0.0	0.0	0.0	0.01	0.03	0.0	0.15	0.0	0.0	0.0	0.0	0.0
22	0.01	0.06	0.0	0.04	0.0	0.22	0.0	0.0	0.0	0.51	0.0	0.0
23	0.04	0.0	0.0	0.0	0.0	0.02	0.02	0.0	0.01	0.33	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.22	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.65	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.11	0.37	0.0	0.83	0.17	0.08	0.0	0.0	0.0	0.0	0.0
27	0.0	0.01	0.53	0.0	0.44	0.0	0.35	0.01	0.0	0.0	0.0	0.0
28	0.0	0.0	0.01	0.0	0.0	0.90	0.01	0.0	0.01	0.01	0.07	0.0
29	0.0		0.0	0.22	0.0	0.01	0.08	0.66	0.02	0.0	0.0	0.07
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0
31	0.0		0.0		0.42		0.03	0.0		0.0		0.0
TOTAL	0.52	1.56	1.39	2.55	9.78	2.20	1.18	1.52	1.20	1.43	1.05	0.15
STA AV	0.97	1.24	2.16	3.03	5.17	2.97	2.58	2.11	4.04	3.37	1.50	1.07

Gaging: Thiessen weighted average of 19 rain gages.
Station Averages: 11 yr beginning 1967.

1968	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 514 NEAR TABLE						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.38	1.25	0.76	2.17	0.88	27.32	16.70	1.39	0.47	0.0	0.56	1.68
2	0.38	1.01	0.76	2.48	0.96	6.18	4.62	1.12	0.22	0.0	1.01	1.39
3	0.38	1.13	0.76	2.52	1.00	4.13	0.94	0.88	0.51	0.0	2.15	1.25
4	0.38	0.38	0.76	1.84	1.00	3.80	2.19	0.56	42.80	0.0	1.00	1.25
5	0.47	0.66	0.88	1.84	1.12	7.47	2.34	0.47	5.90	8.49	0.88	1.25
6	0.56	0.66	1.25	1.84	0.84	4.70	2.34	0.38	2.97	2.51	0.88	1.25
7	1.14	0.66	1.12	1.84	6.51	22.46	2.34	0.30	1.84	0.30	0.88	1.12
8	0.66	0.56	1.25	1.53	1.39	3.07	2.17	0.38	1.18	0.03	0.88	1.12
9	0.76	0.56	1.53	1.68	0.47	1.58	1.84	0.14	0.66	19.42	1.00	1.25
10	0.76	0.56	1.39	1.84	3.62	1.00	1.84	0.07	0.47	1.53	1.12	1.25
11	0.76	0.66	1.39	1.84	2.17	0.88	1.39	0.12	0.56	0.76	1.00	1.39
12	0.66	0.76	1.87	2.26	2.00	0.66	1.25	0.51	0.56	0.76	0.88	1.51
13	0.66	1.10	1.68	2.45	7.00	0.47	14.83	0.47	0.66	0.69	1.12	1.00
14	0.38	1.12	1.68	2.46	3.69	0.27	9.67	0.95	0.47	0.48	1.12	1.12
15	0.56	1.12	1.00	1.25	1.68	0.11	6.21	7.23	0.96	0.44	8.55	1.12
16	0.56	1.12	0.66	1.53	0.83	12.68	3.48	3.69	1.68	0.47	2.89	1.25
17	0.76	1.00	0.76	1.25	0.76	1.92	2.70	1.78	1.84	0.47	1.76	1.66
18	2.23	1.00	0.88	1.65	1.06	0.93	8.27	0.88	1.51	0.30	0.67	2.31
19	1.84	0.72	20.33	5.29	0.41	0.76	4.53	0.37	0.56	0.38	1.27	0.90
20	1.13	0.66	7.44	1.56	0.43	0.66	2.52	0.09	0.30	0.38	1.51	1.02
21	0.88	0.88	5.95	1.57	1.49	0.66	2.34	0.0	0.23	0.66	1.45	1.39
22	1.10	1.12	4.21	4.90	1.75	0.68	2.17	0.0	0.12	0.71	0.88	1.84
23	0.88	1.12	2.89	1.95	1.00	0.56	2.17	0.0	0.58	0.38	1.08	1.12
24	0.66	1.25	2.70	1.12	0.66	0.66	2.00	0.0	2.68	0.30	0.65	1.00
25	0.76	1.48	2.34	1.12	22.73	0.88	2.00	0.0	0.95	0.56	0.58	1.12
26	0.66	0.76	2.34	1.00	4.23	1.12	2.00	0.31	0.30	0.56	6.38	1.63
27	1.52	0.86	2.00	1.13	2.00	0.47	2.00	0.0	0.12	0.66	6.13	2.61
28	1.77	1.62	2.17	1.38	1.61	0.53	2.17	0.0	0.01	0.47	6.65	2.10
29	0.88	1.00	2.17	0.98	0.70	0.29	2.00	0.0	0.0	0.76	2.86	1.68
30	2.22		2.10	1.00	1.00	0.23	2.00	0.38	0.0	0.76	1.68	1.39
31	1.06		2.17		10.68		1.68	0.66		0.80		0.87
MEAN	0.8930	0.9366	2.7773	1.9106	3.0051	3.5711	4.3452	0.7467	2.3707	1.4200	1.9822	1.3815
INCHES	0.091	0.089	0.284	0.189	0.307	0.353	0.444	0.076	0.234	0.145	0.196	0.141
STA AV	0.091	0.089	0.284	0.189	0.254	0.202	0.233	0.040	0.196	0.109	0.143	0.129

Station Averages: 2 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.003294.

1969	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 514 NEAR TABLE						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.87	1.12	1.12	1.79	1.57	4.54	1.26	1.00	0.94	0.92	1.03	1.07
2	1.02	1.07	1.34	1.64	1.57	2.12	1.24	1.14	1.14	0.85	1.04	1.03
3	1.02	0.96	1.86	1.88	24.43	1.95	1.25	1.12	1.14	0.93	1.04	1.03
4	0.91	0.96	1.50	1.87	9.15	2.03	1.19	1.04	1.07	0.88	1.02	1.03
5	0.91	1.02	1.43	1.79	9.46	1.98	1.18	1.08	0.98	0.95	1.00	1.03
6	0.96	1.02	1.50	1.64	88.68	1.58	1.12	1.04	0.92	1.03	1.00	0.98
7	1.05	1.02	1.50	1.95	32.81	1.64	1.07	0.90	0.92	1.04	0.99	1.13
8	0.96	0.96	1.50	2.03	8.77	1.43	1.02	0.88	0.94	0.95	1.00	1.06
9	0.82	0.87	1.36	2.12	6.44	1.43	0.98	0.85	0.91	0.96	0.99	1.04
10	0.87	0.96	1.30	2.03	4.24	1.43	0.92	0.78	0.99	0.90	1.02	1.04
11	0.82	0.96	1.30	2.03	3.98	1.17	0.92	0.68	1.05	0.89	1.08	1.03
12	0.91	0.96	1.36	2.03	9.07	1.00	0.94	0.75	1.04	1.08	1.06	1.02
13	0.91	1.02	1.30	2.21	4.14	1.60	0.91	0.66	0.97	1.04	1.06	1.00
14	0.96	3.07	1.36	2.21	3.55	100.18	0.95	0.61	0.89	1.02	1.03	1.03
15	1.02	3.24	1.36	2.14	3.48	5.53	0.93	0.79	0.93	1.00	1.03	1.07
16	0.96	1.50	1.36	2.19	3.61	2.96	0.86	0.90	9.46	0.94	1.03	1.06
17	1.02	1.24	1.36	3.43	4.31	2.26	0.82	0.78	1.08	0.97	1.03	1.07
18	1.02	1.12	1.57	2.32	3.61	3.62	0.86	0.75	0.97	1.00	1.03	1.07
19	0.91	1.12	1.30	2.03	3.46	1.87	0.87	0.67	0.96	0.99	1.06	1.07
20	1.02	2.44	1.10	2.03	3.38	1.41	1.22	0.57	0.93	0.99	1.07	1.07
21	1.02	2.28	1.11	2.12	3.29	1.18	55.43	0.41	3.05	0.97	1.08	1.07
22	1.02	1.92	1.31	2.12	3.14	1.12	1.48	0.53	1.81	0.99	1.07	1.06
23	0.96	1.64	6.25	2.21	3.27	0.92	1.17	1.00	4.42	1.05	1.04	1.06
24	0.87	1.43	2.52	2.21	2.90	0.75	1.06	0.95	1.18	1.08	1.04	1.09
25	0.91	1.36	1.79	2.30	3.01	0.81	1.24	2.76	1.07	1.02	1.06	1.11
26	0.96	1.36	1.39	6.69	2.87	0.78	1.31	1.25	1.03	1.00	1.06	1.09
27	1.02	1.30	1.70	3.73	2.79	1.32	1.14	1.09	0.98	1.03	1.06	1.08
28	1.02	1.18	1.69	1.67	2.90	1.31	1.04	1.04	0.99	1.06	1.07	1.08
29	1.68		1.50	1.64	2.86	1.28	1.01	0.99	0.96	1.11	1.07	1.08
30	1.47		1.43	1.57	2.68	1.25	1.00	1.00	0.93	1.12	1.08	1.09
31	1.17		1.57		2.29		0.98	0.92		1.06		1.09
MEAN	1.0010	1.3962	1.6141	2.2537	8.4413	5.0807	2.8185	0.9326	1.4878	0.9943	1.0415	1.0589
INCHES	0.102	0.129	0.165	0.223	0.862	0.502	0.288	0.095	0.147	0.102	0.103	0.108
STA AV	0.097	0.109	0.224	0.206	0.457	0.302	0.251	0.058	0.179	0.107	0.130	0.122

Station Averages: 3 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.003294.

1970	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 514 NEAR TABLER						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.15	1.11	1.09	1.44	1.48	1.71	0.16	0.01	0.0	0.62	0.73	0.92
2	1.15	1.10	1.08	1.38	0.97	0.88	0.15	0.01	0.0	0.64	0.82	0.99
3	1.15	1.09	1.05	1.35	0.96	1.19	0.02	0.01	0.0	0.51	0.80	0.86
4	1.15	1.11	1.03	1.42	0.96	1.33	0.14	0.01	0.0	0.40	0.75	0.80
5	1.15	1.10	1.03	1.40	0.97	0.90	0.09	0.01	0.0	7.73	0.50	0.75
6	1.15	1.10	1.81	1.37	0.96	0.84	0.19	0.01	0.0	1.44	0.66	0.66
7	1.15	1.11	1.56	1.26	0.94	0.80	0.07	0.01	0.0	3.71	0.75	0.89
8	1.15	1.12	1.54	1.07	0.93	0.75	0.01	0.01	0.0	9.11	0.04	0.88
9	1.15	1.10	1.42	0.97	0.92	0.71	0.01	0.01	0.0	1.78	0.54	0.92
10	1.15	1.10	1.38	0.99	0.89	0.72	0.14	0.01	0.0	0.96	0.72	0.98
11	1.15	1.11	1.38	1.00	0.90	0.75	0.02	0.01	0.0	0.82	0.89	0.98
12	1.15	1.11	1.35	0.99	0.88	0.77	0.48	0.01	0.0	0.71	0.57	1.04
13	1.16	1.11	1.33	0.94	0.85	0.70	0.35	0.01	0.0	0.71	1.96	1.04
14	1.16	1.11	1.29	0.95	3.05	0.68	0.01	0.01	2.02	0.64	1.70	0.92
15	1.17	1.11	1.24	0.99	10.61	0.67	0.01	0.01	0.0	0.66	0.66	1.13
16	1.19	1.11	1.44	1.02	1.50	0.60	0.01	0.01	0.0	0.71	0.75	1.20
17	1.18	1.11	2.21	1.03	1.02	0.61	0.01	0.01	0.23	0.82	0.82	0.92
18	1.20	1.08	1.43	1.05	0.93	0.29	0.01	0.01	0.05	0.82	0.75	0.86
19	1.19	1.08	1.31	1.01	0.86	0.27	0.01	3.89	0.0	0.75	0.71	0.80
20	1.18	1.08	1.42	0.98	0.88	0.28	0.01	0.27	0.0	0.71	0.79	0.80
21	1.19	1.08	1.71	0.95	0.76	0.57	0.01	0.00	0.0	0.71	0.71	0.92
22	1.20	1.15	1.40	0.97	0.75	0.25	0.01	0.00	151.09	2.42	0.57	0.98
23	1.19	1.18	1.35	0.97	0.76	0.31	0.01	0.02	25.85	2.80	0.50	0.80
24	1.15	1.10	1.35	0.97	0.73	0.34	0.01	0.0	1.88	0.85	0.62	0.80
25	1.15	1.25	1.28	1.00	0.74	0.33	0.01	0.0	1.04	0.73	0.75	0.80
26	1.13	1.09	1.29	1.01	0.71	0.24	0.01	0.0	0.99	0.71	0.80	0.80
27	1.13	1.06	1.35	1.00	0.79	0.02	0.01	0.0	0.94	0.68	0.71	0.80
28	1.14	1.15	1.51	0.95	0.87	0.01	0.01	0.0	0.89	0.71	0.71	0.86
29	1.10		1.49	1.08	14.31	0.10	0.01	0.0	0.68	0.84	0.86	0.92
30	1.09		1.34	4.30	3.33	0.08	0.01	0.0	0.61	0.73	1.04	1.21
31	1.10		1.33		1.53		0.01	0.0		0.73		0.86
MEAN	1.1546	1.1112	1.3798	1.1944	1.8302	0.5899	0.0647	0.1408	6.2092	1.4892	0.7724	0.9059
INCHES	0.116	0.102	0.141	0.118	0.187	0.058	0.007	0.014	0.614	0.152	0.076	0.093
STA AV	0.104	0.107	0.196	0.177	0.389	0.241	0.190	0.047	0.288	0.118	0.117	0.115

Station Averages: 4 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.003294.

1971	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 514 NEAR TABLER						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.86	0.79	0.86	0.64	0.76	5.26	0.42	0.05	0.06	0.59	0.89	1.00
2	0.95	0.86	0.79	0.64	0.71	7.74	3.46	0.04	0.03	115.36	0.89	1.32
3	1.72	0.93	0.79	0.67	0.68	59.64	0.61	0.03	0.02	55.85	0.83	1.69
4	1.01	0.97	0.79	0.70	0.70	2.68	0.27	0.02	0.0	3.56	0.86	1.46
5	0.89	0.86	0.79	0.73	0.65	1.47	0.16	0.0	0.0	2.56	0.83	1.39
6	0.93	0.76	0.76	0.70	0.61	0.78	0.13	0.02	0.0	1.79	0.79	1.27
7	0.89	0.76	0.73	0.73	0.53	0.61	0.08	0.14	0.0	1.38	0.76	1.16
8	0.93	0.76	0.79	0.76	0.51	4.59	0.05	2.39	0.0	1.29	0.86	1.62
9	0.89	0.79	0.76	0.73	1.43	1.36	0.05	0.73	0.0	1.12	0.89	1.82
10	0.93	0.86	0.79	0.73	0.92	0.70	0.08	0.15	0.0	0.97	0.86	2.27
11	1.04	0.93	0.73	0.76	0.67	1.66	0.01	0.11	0.0	0.97	0.89	1.29
12	1.00	0.93	0.79	0.73	0.51	18.86	0.01	0.08	0.0	0.93	0.93	1.39
13	0.97	0.93	0.79	0.61	0.46	1.52	0.01	0.82	0.0	0.83	0.89	1.21
14	0.97	0.93	0.72	0.61	0.45	1.13	0.01	11.45	0.0	0.79	0.93	30.50
15	0.86	0.86	0.70	0.73	0.46	0.77	0.01	3.55	0.0	0.86	0.89	15.86
16	0.86	0.86	0.79	0.76	0.42	0.64	0.01	1.80	0.0	0.79	0.89	2.77
17	0.86	0.86	0.76	0.97	0.38	0.55	0.01	0.88	0.02	0.76	0.97	2.06
18	0.83	0.88	0.70	0.89	0.40	0.47	0.01	0.35	48.38	1.35	1.04	1.80
19	0.79	1.04	0.61	0.86	0.34	0.40	0.01	0.28	1.68	2.01	0.89	1.74
20	0.86	0.96	0.67	1.07	0.32	0.44	0.01	0.23	1.11	3.15	0.93	1.58
21	0.86	3.09	0.70	0.86	0.30	1.15	0.01	0.22	0.84	1.46	0.93	1.48
22	0.86	1.55	0.67	0.79	0.38	0.59	0.01	0.14	0.57	1.13	1.04	1.48
23	0.86	1.22	0.64	0.95	7.17	0.46	2.37	0.18	0.49	0.97	1.39	1.48
24	0.89	1.08	0.70	0.71	0.88	0.35	0.92	0.16	55.81	0.89	1.08	1.48
25	0.83	1.08	0.76	0.73	0.43	0.26	0.12	0.20	5.52	0.97	1.08	1.53
26	0.83	0.93	0.73	0.75	0.32	0.24	0.05	0.17	1.28	1.82	1.04	1.58
27	0.86	0.79	0.70	0.64	2.35	0.20	0.05	0.14	0.95	2.57	1.00	1.53
28	0.86	0.86	0.76	0.59	0.62	0.18	1.11	0.12	0.86	1.14	1.16	1.43
29	0.89		0.67	0.81	0.46	0.21	0.12	0.13	0.74	1.00	1.08	2.22
30	0.93		0.64	0.80	0.71	0.21	0.07	0.12	0.64	0.93	1.04	3.04
31	0.79		0.64		1.99		0.06	0.08		0.86		1.80
MEAN	0.9194	1.0043	0.7330	0.7545	0.8881	3.8372	0.3320	0.7993	3.9668	6.7951	0.9516	3.0405
INCHES	0.094	0.093	0.075	0.075	0.091	0.379	0.034	0.082	0.392	0.694	0.094	0.310
STA AV	0.101	0.103	0.166	0.151	0.329	0.269	0.159	0.054	0.309	0.233	0.112	0.154

Station Averages: 5 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.003294.

1972 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLE

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.72	1.33	1.46	1.25	1.52	1.10	[illegible]	0.0	0.0	0.0	[illegible]	1.04
2	1.62	1.31	1.29	1.33	1.37	1.09	1.48	[illegible]	0.0	[illegible]	[illegible]	[illegible]
3	1.52	1.18	1.33	1.25	1.33	1.04	[illegible]	0.0	0.0	0.0	1.69	[illegible]
4	1.34	1.24	1.20	1.16	1.29	0.97	0.67	0.0	0.02	0.0	1.29	0.90
5	1.51	1.29	1.12	1.33	1.17	0.81	0.51	0.0	0.10	0.0	1.13	[illegible]
6	1.67	1.38	1.20	1.38	1.65	0.67	0.39	0.0	0.04	0.0	[illegible]	0.84
7	1.65	1.16	1.20	1.25	1.67	0.63	0.35	0.0	0.01	0.0	[illegible]	[illegible]
8	1.57	1.29	1.12	1.16	1.42	0.59	0.45	0.0	0.0	0.0	[illegible]	[illegible]
9	1.62	1.29	1.16	1.20	1.33	0.57	0.41	0.0	0.25	0.0	[illegible]	[illegible]
10	1.40	1.33	1.20	1.29	1.25	0.58	0.32	0.01	0.02	0.0	0.73	[illegible]
11	1.33	1.53	1.29	1.29	1.25	0.57	0.28	0.01	0.0	0.0	[illegible]	[illegible]
12	1.38	1.61	1.29	1.29	18.93	0.62	0.31	0.00	0.0	[illegible]	4.08	[illegible]
13	1.25	1.64	1.25	1.12	3.21	0.67	0.28	0.04	0.0	0.0	6.85	[illegible]
14	1.09	1.72	1.20	1.08	2.21	0.81	0.18	0.16	0.0	0.0	1.20	1.04
15	1.12	1.47	1.25	5.61	1.77	0.72	0.12	0.05	0.0	0.0	[illegible]	[illegible]
16	1.25	1.38	1.20	1.39	1.53	[illegible]	0.07	0.00	0.0	0.0	0.97	[illegible]
17	1.45	1.33	1.16	1.18	1.45	0.58	0.05	0.0	0.0	0.0	[illegible]	[illegible]
18	1.64	1.25	1.16	1.08	1.36	0.52	0.06	0.0	0.0	[illegible]	2.67	[illegible]
19	1.47	1.25	1.25	1.24	1.38	0.53	0.11	0.0	0.0	0.0	1.86	1.20
20	1.38	1.29	1.44	8.99	1.45	0.44	0.05	0.0	0.0	0.03	1.08	[illegible]
21	1.38	1.33	2.83	2.04	1.44	0.40	0.03	0.0	0.0	6.85	1.22	[illegible]
22	1.38	1.20	1.42	1.40	1.11	0.38	0.03	0.0	0.0	4.58	1.20	[illegible]
23	1.52	1.38	1.41	1.25	1.03	0.53	0.03	0.0	0.0	0.72	1.04	1.08
24	1.38	1.38	1.79	1.16	1.04	0.81	0.01	0.0	0.0	0.61	1.19	1.01
25	1.20	1.33	1.47	1.12	0.95	0.56	0.0	0.0	0.0	0.52	1.25	[illegible]
26	1.25	1.25	1.42	1.17	0.88	0.38	0.0	0.0	0.0	0.49	1.04	1.01
27	1.36	1.25	1.29	12.61	0.89	0.30	0.0	0.0	0.0	0.60	1.04	1.01
28	1.19	1.33	1.29	2.13	1.01	0.40	0.0	0.0	0.0	0.55	1.04	[illegible]
29	1.33	1.42	1.25	1.77	2.23	0.29	0.0	0.0	0.0	0.56	1.04	1.15
30	1.38		1.25	2.65	1.49	0.26	0.0	0.0	0.0	43.05	1.08	[illegible]
31	1.29		1.29		1.14		0.0	0.0		58.82		0.93
MEAN	1.4078	1.3494	1.3381	2.1389	1.9923	0.6172	0.2663	0.0090	0.0145	3.7862	1.7513	1.0176
INCHES	0.144	0.129	0.137	0.211	0.203	0.061	0.027	0.001	0.001	0.387	0.173	0.104
STA AV	0.110	0.108	0.160	0.163	0.308	0.234	0.137	0.045	0.258	0.259	0.122	0.146

Station Averages: 6 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.003294.

1973 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLE

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.82	2.80	2.13	5.82	4.92	37.94	4.64	3.01	1.92	2.13	2.37	4.51
2	0.92	2.05	2.05	5.85	4.78	179.46	3.93	2.88	1.76	1.90	2.37	4.38
3	6.79	1.90	2.24	9.33	4.64	21.38	2.77	2.92	1.06	1.71	2.37	4.25
4	1.41	2.05	2.44	5.82	4.78	106.82	2.73	2.60	2.91	3.81	2.37	4.00
5	0.90	1.98	1.90	5.51	4.78	55.26	2.23	2.48	1.74	2.91	2.45	4.00
6	0.90	1.98	20.32	5.51	17.77	12.73	2.88	2.28	9.53	3.63	2.45	4.00
7	0.90	2.49	3.39	5.51	5.98	9.19	3.06	2.14	4.57	3.21	2.54	4.00
8	0.90	2.17	3.11	6.62	5.06	7.74	2.72	2.05	3.06	3.01	2.54	4.13
9	0.86	1.90	3.01	5.73	4.92	7.72	2.65	18.05	2.03	3.11	2.54	4.13
10	0.86	1.90	28.92	5.21	5.06	7.02	2.80	3.39	2.03	3.54	2.54	4.13
11	0.82	1.98	6.34	5.06	4.64	6.69	3.27	2.45	1.70	11.29	2.54	4.25
12	0.82	2.13	3.85	4.92	4.25	6.83	2.63	2.29	3.15	8.11	2.45	4.25
13	0.90	2.13	4.08	5.36	4.13	7.22	2.75	2.17	19.88	4.05	2.45	4.25
14	1.03	1.77	3.56	5.06	4.00	7.36	3.55	1.88	3.13	2.69	2.29	4.13
15	1.17	1.70	3.32	20.68	3.88	5.98	2.43	3.57	1.83	2.63	2.21	4.13
16	3.20	1.70	3.01	9.88	3.82	13.67	2.31	5.16	1.70	3.01	2.13	4.00
17	1.80	1.83	3.11	5.82	3.65	9.10	2.25	2.56	2.83	3.01	2.13	4.00
18	1.35	2.13	3.32	5.66	3.54	19.51	2.18	2.05	3.45	3.01	2.13	4.13
19	1.45	2.05	3.32	15.86	3.54	28.58	2.00	1.95	2.21	3.01	60.09	3.88
20	1.51	1.77	3.21	6.01	3.32	7.11	1.85	1.84	2.24	2.82	26.77	3.65
21	11.27	1.83	3.11	5.51	3.32	5.98	5.24	1.70	2.58	2.82	11.35	4.00
22	2.39	1.85	3.01	6.99	3.84	5.51	6.39	1.70	3.52	2.82	6.56	4.00
23	1.63	2.37	23.34	5.97	51.18	5.06	33.17	1.51	2.94	2.72	4.23	4.13
24	1.51	2.05	81.75	5.51	400.49	4.92	4.24	1.49	2.72	2.82	26.13	4.13
25	1.95	1.90	43.70	5.21	50.40	4.92	2.80	1.34	2.72	2.63	10.64	4.00
26	6.54	2.22	8.39	5.21	10.29	4.78	2.76	1.28	22.57	2.63	7.97	3.88
27	3.00	1.90	7.39	5.06	6.61	5.06	2.82	1.19	11.77	18.67	6.84	3.76
28	2.10	1.98	7.77	5.06	5.66	5.38	2.69	1.40	3.88	3.32	5.58	3.76
29	1.90		6.49	4.92	5.21	5.51	3.17	1.53	2.91	2.72	5.33	3.76
30	2.05		7.02	5.06	5.54	5.21	6.06	1.63	2.55	2.72	4.78	3.76
31	2.36		6.86		114.94		5.35	1.57		2.54		3.65
MEAN	2.129	2.018	9.853	6.657	24.481	20.320	4.203	2.712	4.363	3.839	7.317	4.033
INCHES	0.217	0.186	1.006	0.658	2.500	2.008	0.429	0.277	0.431	0.392	0.723	0.412
STA AV	0.128	0.121	0.301	0.246	0.622	0.488	0.179	0.078	0.282	0.278	0.208	0.184

Station Averages: 7 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.003294.

1974	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 514 NEAR TABLER						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.71	2.05	2.16	2.16	33.84	2.02	0.86	1.01	0.71	0.93	3.99	1.68
2	2.71	2.11	2.16	2.11	11.09	2.02	0.79	0.72	2.90	0.99	3.08	1.68
3	2.45	2.16	2.26	1.96	4.71	1.98	0.73	0.57	0.99	0.87	8.30	1.64
4	2.16	2.16	2.11	1.85	4.04	1.98	1.06	0.71	0.81	0.81	4.03	1.60
5	2.21	2.07	2.07	1.80	3.91	1.98	0.84	0.71	0.71	0.93	2.76	1.56
6	2.21	1.98	2.16	1.85	3.79	3.22	0.81	0.75	0.71	0.81	2.37	1.64
7	2.26	1.98	2.16	1.89	3.67	2.87	0.73	0.93	0.66	1.19	1.98	1.52
8	2.60	2.02	2.16	1.98	2.99	2.07	0.76	0.76	0.76	1.13	1.93	1.48
9	2.40	2.02	2.11	2.39	2.50	1.89	0.70	9.00	0.61	1.13	2.10	1.44
10	2.40	2.02	7.41	3.33	2.35	1.76	0.72	37.09	0.71	0.99	2.64	1.89
11	2.22	2.02	4.32	8.05	2.35	1.64	0.62	2.49	0.71	1.06	2.24	2.53
12	2.38	2.02	3.29	2.76	2.11	1.56	0.64	1.41	0.57	1.40	1.89	1.79
13	2.50	2.02	3.03	2.50	2.11	1.48	0.65	1.13	0.66	1.29	1.76	1.81
14	2.65	2.39	2.81	2.26	2.11	1.52	0.67	0.99	0.57	1.29	1.68	1.91
15	2.71	2.65	2.65	2.35	2.11	1.36	0.67	0.84	0.81	1.24	1.64	1.55
16	2.71	2.92	2.55	2.26	2.21	1.29	0.70	0.74	2.77	0.99	1.60	1.48
17	2.76	3.03	2.65	2.07	2.30	1.43	0.73	0.71	1.26	0.99	1.64	1.56
18	2.76	3.32	2.60	1.98	2.30	1.34	0.65	0.61	1.13	0.99	1.64	1.56
19	2.92	2.76	2.50	2.02	2.30	1.18	0.62	0.61	1.16	0.93	1.68	1.52
20	3.03	2.11	2.50	1.98	2.40	1.03	0.65	0.57	1.36	0.93	1.60	1.52
21	2.97	7.49	2.45	1.93	2.40	1.03	0.65	0.57	1.16	0.93	1.56	1.44
22	2.71	3.10	2.40	1.93	2.45	0.99	0.59	0.61	0.87	0.99	1.52	1.44
23	2.65	2.92	2.26	1.80	2.40	1.03	0.62	0.65	0.87	0.99	1.51	1.52
24	2.65	2.71	2.21	1.64	2.40	0.96	0.61	0.99	2.26	1.67	1.42	1.44
25	2.55	2.60	2.16	1.56	7.84	0.96	0.65	0.93	2.00	1.94	1.48	1.40
26	2.55	2.45	2.16	1.99	2.79	0.99	0.67	0.95	1.08	1.46	1.48	1.40
27	2.50	2.30	2.26	2.49	2.07	0.96	0.63	2.08	1.23	1.33	1.56	1.44
28	2.30	2.16	2.26	3.14	1.58	0.92	0.62	1.26	0.99	5.51	1.68	1.44
29	2.21		2.30	30.91	1.58	0.90	0.67	0.87	0.93	1.43	1.64	1.48
30	2.26		2.30	38.62	1.58	0.85	0.71	0.73	0.93	35.84	1.68	1.56
31	2.16		2.21		2.29		0.51	0.71		11.64		1.94
MEAN	2.5247	2.5551	2.6009	4.5187	4.0567	1.5068	0.6948	2.3451	1.0965	2.7297	2.2023	1.6084
INCHES	0.258	0.236	0.266	0.447	0.414	0.149	0.071	0.239	0.108	0.279	0.218	0.164
STA AV	0.146	0.138	0.296	0.274	0.596	0.445	0.165	0.098	0.261	0.278	0.209	0.181

Station Averages: 8 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.003294.

1975	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 514 NEAR TABLER						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.24	3.66	2.05	5.67	3.42	14.02	2.65	3.21	1.96	2.57	3.02	4.19
2	16.31	3.82	2.05	5.86	6.75	12.77	2.41	3.47	1.96	2.39	3.02	6.94
3	8.14	6.07	2.94	5.28	6.29	12.06	2.24	4.72	1.96	2.48	3.02	6.94
4	4.64	8.37	2.14	5.28	3.52	10.74	2.72	3.02	1.96	2.48	2.93	6.71
5	3.64	4.22	2.56	5.47	3.38	10.74	3.30	2.84	2.18	2.48	2.84	6.86
6	2.65	3.38	3.00	5.47	3.25	9.80	3.34	2.84	2.48	2.39	2.75	4.71
7	2.44	3.00	3.00	11.44	3.12	9.47	4.05	2.75	2.48	2.57	2.75	4.18
8	2.73	2.88	2.87	12.28	3.00	12.32	4.13	2.57	2.39	2.65	2.75	3.98
9	2.44	2.44	3.69	7.65	2.31	5.48	3.59	2.57	2.13	2.48	2.75	3.78
10	2.24	2.24	3.91	7.41	1.96	63.36	4.92	2.39	1.87	2.57	2.75	3.78
11	2.40	2.34	3.66	7.17	1.96	16.05	3.88	2.30	1.71	2.65	2.75	3.78
12	1.89	2.14	3.66	6.94	1.96	12.54	3.11	2.13	1.79	2.75	2.84	3.78
13	1.96	2.14	3.00	9.57	8.40	11.38	2.75	2.13	1.79	2.75	2.84	3.69
14	2.14	2.34	2.88	8.88	17.28	10.74	2.65	2.25	1.87	2.75	2.84	3.78
15	2.24	2.54	2.88	3.64	3.22	9.52	2.65	2.13	1.87	4.18	2.93	3.59
16	2.44	3.34	2.88	3.12	1.86	9.68	2.65	2.04	1.96	2.39	2.93	3.30
17	2.44	3.00	3.07	3.66	1.79	17.42	2.65	2.04	1.96	2.21	3.11	3.11
18	2.44	2.54	3.94	3.88	1.79	8.53	2.75	2.04	1.96	2.13	3.11	2.84
19	3.11	2.54	3.09	3.12	2.01	6.07	2.75	1.87	1.96	2.21	4.18	2.65
20	2.71	2.54	6.07	3.00	4.96	5.10	2.84	1.87	2.04	2.21	3.78	2.39
21	2.76	3.31	5.67	3.00	3.80	4.41	2.84	1.87	2.04	2.21	3.88	2.39
22	3.25	9.70	5.47	3.00	132.66	14.36	2.84	1.87	2.13	2.39	3.88	2.39
23	3.52	2.36	5.47	3.75	83.50	17.79	2.84	1.87	2.13	2.39	3.98	2.30
24	3.66	1.55	4.92	3.25	31.76	13.07	7.29	1.87	2.13	2.30	4.08	2.48
25	3.95	1.55	4.58	2.65	21.57	8.46	5.52	1.87	2.04	2.30	4.28	2.75
26	4.25	1.55	4.75	2.54	10.21	6.18	5.23	1.87	2.04	2.48	4.38	2.39
27	3.80	1.63	13.10	2.65	6.49	5.10	4.50	1.87	1.96	2.75	4.38	2.30
28	3.00	1.96	7.90	2.92	17.28	4.41	4.17	1.96	1.96	2.75	4.38	2.48
29	2.15		6.71	16.84	17.88	3.53	4.09	1.96	2.04	2.65	4.28	2.48
30	2.69		6.28	30.12	13.57	3.12	3.43	1.96	2.30	3.02	4.08	2.57
31	6.10		6.07		9.11		3.21	1.96		3.02		2.75
MEAN	3.561	3.184	4.302	6.517	13.873	11.607	3.483	2.326	2.035	2.566	3.383	3.621
INCHES	0.364	0.294	0.439	0.644	1.417	1.147	0.356	0.238	0.201	0.262	0.334	0.370
STA AV	0.173	0.157	0.314	0.320	0.687	0.523	0.186	0.114	0.254	0.276	0.223	0.202

Station Averages: 9 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.003294.

1976 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLE

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.60	1.29	1.74	1.04	0.92	1.29	0.80	0.50	0.64	0.33	0.80	0.88
2	2.50	1.29	1.74	0.98	0.77	1.22	0.80	0.44	0.50	0.24	0.80	0.88
3	2.50	1.43	1.74	0.98	0.82	1.16	0.80	0.44	0.38	0.24	0.80	0.98
4	2.39	1.43	1.83	0.98	0.77	1.16	0.80	0.44	0.38	0.28	0.80	0.98
5	2.19	1.51	1.66	0.92	0.82	1.24	0.80	0.68	0.38	0.28	0.80	1.41
6	2.01	1.36	1.51	0.92	1.10	1.67	0.80	2.95	0.38	0.38	0.80	1.53
7	1.92	1.29	2.67	1.26	0.92	1.51	0.71	1.08	0.38	0.38	0.80	0.98
8	1.92	1.36	8.33	1.29	0.98	1.36	0.80	0.88	0.38	0.44	0.80	0.88
9	1.92	1.36	3.08	1.16	1.04	1.22	0.80	0.80	0.44	0.56	0.88	0.88
10	1.83	1.58	1.92	1.10	1.16	1.16	0.80	0.64	0.44	0.64	0.80	0.98
11	1.66	1.92	1.66	1.10	1.22	1.16	0.71	0.64	0.44	0.71	0.71	1.08
12	1.58	2.39	1.20	1.16	1.22	1.10	0.80	0.64	0.64	0.71	0.56	1.29
13	1.51	2.19	0.92	1.29	1.29	1.13	0.64	0.81	3.22	0.71	0.56	1.53
14	1.51	2.19	0.92	1.51	1.22	1.44	0.50	0.38	1.66	0.71	0.50	1.29
15	1.43	2.29	1.04	2.43	1.22	1.04	10.17	0.33	1.53	0.64	0.44	0.98
16	1.29	2.29	0.98	2.34	1.10	0.92	16.10	0.87	1.66	0.64	0.56	0.64
17	1.22	2.29	1.10	1.74	1.04	0.82	3.02	1.08	1.53	0.64	0.80	0.71
18	1.29	2.01	1.04	1.74	1.04	0.92	1.08	0.88	1.66	0.56	0.80	0.88
19	1.36	2.01	0.92	7.35	1.10	1.04	0.88	0.98	1.80	0.64	0.80	0.98
20	1.43	2.01	1.03	2.90	1.53	0.92	0.64	1.08	1.66	0.50	0.64	0.88
21	1.58	2.01	0.92	1.66	1.74	0.92	0.64	0.85	1.80	0.50	0.56	0.80
22	1.16	2.10	0.92	1.51	1.83	0.82	0.64	0.44	1.80	0.50	0.71	0.88
23	1.04	2.19	0.87	1.41	2.53	0.92	0.64	0.65	1.66	0.79	0.88	0.88
24	0.98	2.10	0.98	1.43	2.10	8.24	0.56	0.13	1.41	0.80	0.88	0.88
25	0.98	2.01	2.69	1.29	2.10	0.98	0.50	0.94	1.41	0.64	0.88	0.88
26	0.98	1.92	7.89	1.43	3.06	0.72	0.44	1.25	1.41	0.56	0.88	0.88
27	0.92	1.92	7.85	1.43	2.17	0.88	0.44	0.08	1.53	0.50	0.88	0.88
28	0.92	1.74	7.66	3.66	1.58	0.88	0.59	0.06	1.53	0.50	0.80	0.80
29	1.10	1.74	6.40	1.04	1.36	0.88	1.08	0.08	0.85	2.60	0.80	0.80
30	1.22		1.36	0.87	1.22	0.80	0.71	0.11	0.50	2.16	0.88	0.80
31	1.22		1.10		2.18		0.56	0.39		0.80		0.80
MEAN	1.5535	1.8352	2.4413	1.6640	1.3917	1.3172	1.5887	0.6943	1.1333	0.6643	0.7533	0.9651
INCHES	0.159	0.175	0.249	0.164	0.142	0.130	0.162	0.071	0.112	0.068	0.074	0.099
STA AV	0.172	0.159	0.307	0.303	0.632	0.484	0.184	0.110	0.240	0.255	0.208	0.192

Station Averages: 10 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.003294.

1977 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLE

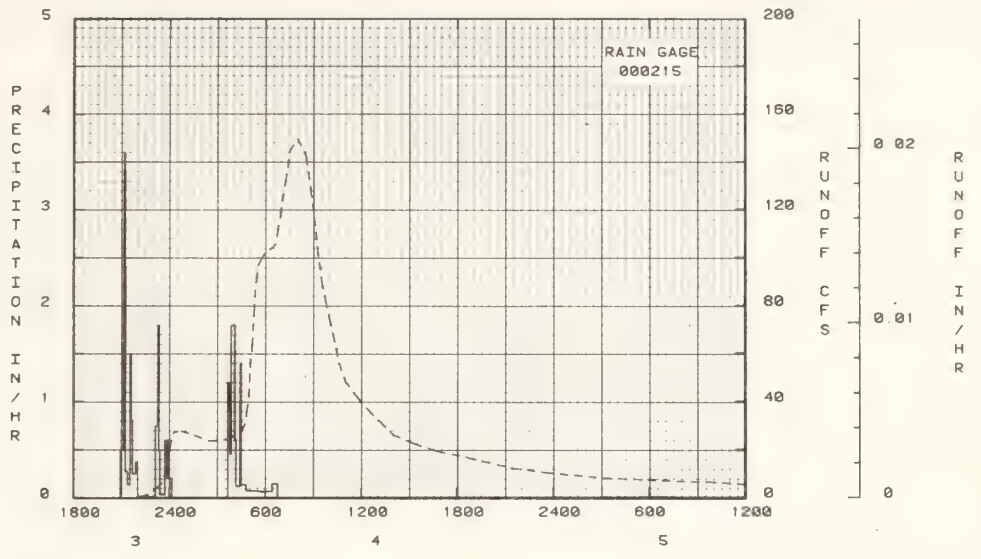
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.85	0.96	0.91	0.91	1.43	0.83	1.27	0.24	0.05	0.04	0.45	0.49
2	0.96	1.01	0.91	0.91	1.62	0.71	1.01	0.26	0.05	0.04	0.49	0.45
3	1.01	0.96	1.01	0.85	1.35	0.75	0.78	0.21	0.01	0.11	0.57	0.45
4	0.91	0.91	0.91	0.85	4.92	0.71	0.49	0.18	0.01	0.38	0.45	0.49
5	0.91	0.85	0.85	0.80	2.82	0.53	0.41	0.08	0.02	0.57	0.45	0.53
6	1.01	0.85	0.96	0.80	4.75	0.57	0.33	0.08	0.02	0.49	0.53	0.53
7	0.96	0.80	0.96	0.80	1.30	0.61	0.37	0.06	0.02	0.33	0.53	0.61
8	0.96	0.91	0.96	0.91	1.07	0.57	0.37	0.05	0.08	0.30	1.03	0.61
9	0.84	0.85	0.91	0.91	0.96	0.53	0.45	0.01	0.03	0.33	1.16	0.57
10	1.24	0.85	1.00	0.85	0.80	0.68	0.37	0.03	0.08	0.33	0.83	0.53
11	1.07	1.70	1.24	0.80	0.75	2.26	0.30	0.18	0.02	0.50	0.61	0.61
12	1.13	1.61	1.07	0.85	0.71	2.97	0.27	0.18	0.0	0.75	0.66	0.61
13	1.24	1.13	1.01	0.91	1.86	2.82	0.31	0.15	2.41	0.75	0.61	0.57
14	1.36	0.96	0.85	0.85	1.07	3.07	0.26	0.21	0.76	0.80	0.61	0.49
15	1.13	0.91	0.85	1.15	0.94	3.11	0.31	0.17	0.45	0.85	0.57	0.49
16	0.96	0.96	0.80	0.96	1.64	2.87	0.41	0.06	0.45	0.85	0.57	0.57
17	1.01	1.01	0.85	0.91	0.75	2.36	0.38	0.0	0.49	1.04	0.53	0.75
18	0.96	1.01	0.85	0.91	0.61	0.66	0.13	0.02	0.42	0.65	0.53	0.71
19	0.96	0.96	0.75	0.85	95.07	0.33	0.05	0.23	0.37	0.68	0.57	0.66
20	1.13	0.96	0.80	4.76	81.29	0.36	0.05	0.30	0.24	0.38	0.61	0.61
21	1.07	1.01	0.75	2.68	33.84	0.19	0.06	0.21	0.18	0.08	0.49	0.66
22	1.07	1.01	0.75	1.07	24.10	0.11	0.18	0.18	0.22	0.12	0.53	0.75
23	0.96	1.01	0.85	0.91	7.02	0.33	0.13	0.18	0.20	0.75	0.57	0.61
24	0.96	0.91	1.07	0.80	2.38	0.80	0.13	0.24	0.27	0.60	0.57	0.57
25	0.96	0.91	1.07	0.71	1.57	2.34	0.08	0.35	0.23	0.37	0.49	0.57
26	0.91	0.91	1.18	0.85	1.54	1.10	0.08	0.19	0.15	0.33	0.45	0.61
27	1.01	0.91	1.90	1.18	12.85	0.61	0.39	0.06	0.16	0.30	0.41	0.61
28	0.96	0.91	1.37	1.07	5.11	1.39	0.38	0.05	0.21	0.33	0.45	0.61
29	0.96		0.96	1.34	3.42	3.08	0.37	0.77	0.24	0.45	0.45	0.61
30	0.96		0.91	1.56	2.99	0.79	0.39	0.24	0.16	0.37	0.49	0.61
31	0.96		0.91		3.29		0.30	0.08		0.45		0.61
MEAN	1.0122	0.9909	0.9735	1.1238	9.8008	1.2677	0.3491	0.1696	0.2669	0.4617	0.5750	0.5855
INCHES	0.103	0.091	0.099	0.111	1.001	0.125	0.036	0.017	0.026	0.047	0.057	0.060
STA AV	0.165	0.152	0.286	0.284	0.666	0.451	0.170	0.101	0.220	0.236	0.195	0.180

Station Averages: 11 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.003294.

1968 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TAELER

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 3 - 5, 1968							
RG 000215			RG 000215							
9- 3	0.0	0.000	9- 3	2056	0.0	0.0	9- 3	2200	0.560	0.0
				2108	0.5000	0.10		2240	1.250	0.0001
				2112	3.6000	0.34		2300	2.850	0.0002
				2113	2.4000	0.38		2330	6.060	0.0005
				2122	0.2667	0.42		2345	10.480	0.0008
WATERSHED CONDITIONS: 4% crop land is alfalfa, small grains, and row crop rotation; 96% pasture or range. Approximately 43% is thin steep land that has been overgrazed.				2131	0.1333	0.44		2400	18.690	0.0013
				2135	1.5000	0.54	9- 4	6	23.980	0.0016
				2141	0.8000	0.62		15	27.310	0.0021
				2153	0.2500	0.67		30	27.800	0.0030
				2201	0.3750	0.72		45	27.800	0.0040
				2308	0.0090	0.73		230	23.520	0.0101
				2316	0.7500	0.83		345	24.440	0.0142
				2319	1.8000	0.92		400	25.860	0.0151
				2324	0.4800	0.96		430	27.310	0.0169
				2344	0.0300	0.97		445	30.830	0.0179
				2353	0.6000	1.06		452	36.150	0.0185
			9- 4	[illegible]	0.2000	1.11		500	45.400	0.0192
				340	0.0	1.11		504	54.860	0.0197
				344	1.2000	1.19		511	63.650	0.0206
				348	0.9000	1.25		519	80.530	0.0219
				352	0.4500	1.28		525	90.790	0.0231
				358	1.8000	1.46		534	97.360	0.0251
				407	1.8000	1.73		555	101.560	0.0298
				410	0.6000	1.76		640	105.840	0.0405
				426	0.1125	1.79		649	113.720	0.0428
				429	1.4000	1.86		700	120.920	0.0457
				448	0.1263	1.90		715	132.080	0.0501
				533	0.0667	1.95		730	144.620	0.0548
				626	0.0566	2.00		801	149.570	0.0652
				647	0.1429	2.05		834	141.680	0.0762
								849	128.310	0.0809
								903	116.400	0.0848
								918	100.710	0.0885
								931	89.980	0.0913
								945	82.070	0.0941
								1000	74.470	0.0968
								1015	67.880	0.0992
								1030	58.850	0.1014
								1045	52.910	0.1033
								1100	48.470	0.1051
								1115	46.010	0.1067
								1130	43.600	0.1082
								1200	39.520	0.1111
								1245	33.980	0.1149
								1330	29.300	0.1181
								1400	25.860	0.1200
								1500	23.060	0.1234
								1545	21.270	0.1256
								1630	19.530	0.1277
								1715	18.280	0.1297
								1845	16.260	0.1333
								2130	11.820	0.1386
								2400	9.830	0.1423
							9- 5	315	7.710	0.1462
								945	6.060	0.1523

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.



EVENT OF SEPTEMBER 3 - 5, 1968

CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

1969 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

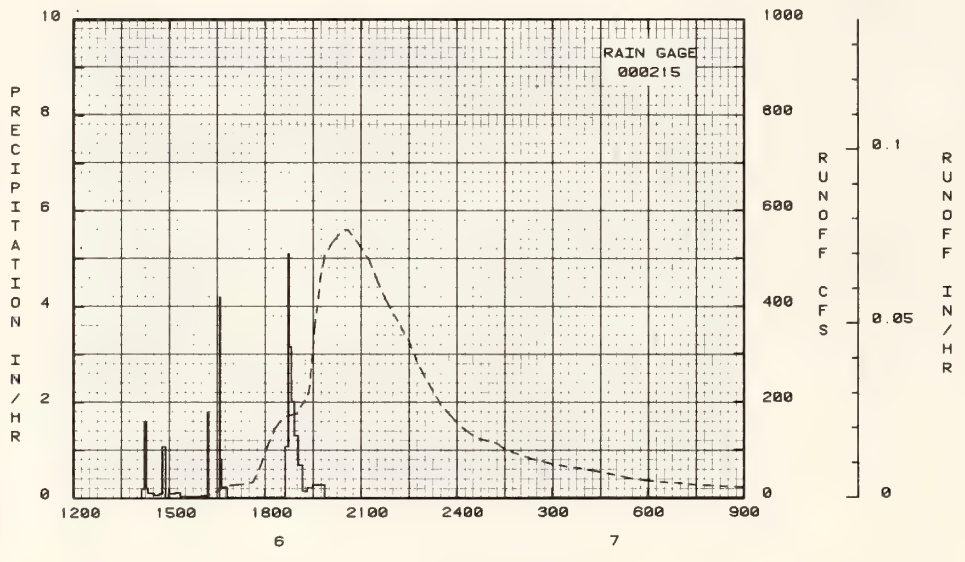
ANTECEDENT CONDITIONS			RAINFALL			RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Time of Day	Intensity (in/hr)	Acc. (inches)	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 6 - 7, 1969					
RG 000215			RG 000215					
5- 6	0.0	0.009	1407	0.0	0.0	1600	4.570	0.0
			1410	0.2000	0.01	1615	6.440	0.0002
			1413	0.2000	0.02	1630	14.810	0.0005
			1416	1.6000	0.10	1640	22.340	0.0010
			1419	0.2000	0.11	1655	27.750	0.0018
WATERSHED CONDITIONS:			1431	0.1000	0.13	1719	29.920	0.0034
4% crop land is alfalfa,			1441	0.0600	0.14	1737	33.400	0.0047
small grains, and row crop			1447	0.1000	0.15	1752	69.120	0.0065
rotation; 96% pasture or			1452	1.0800	0.24	1804	109.100	0.0089
range. Approximately 43%			1458	0.0	0.24	1810	121.950	0.0105
is thin steep land that			1510	0.1000	0.26	1818	145.020	0.0129
has been overgrazed.			1520	0.1200	0.28	1830	161.860	0.0172
			1612	0.0231	0.30	1840	171.190	0.0210
			1613	1.8000	0.33	1900	177.550	0.0289
			1634	0.0	0.33	1922	220.560	0.0390
			1635	4.2010	0.40	1925	254.090	0.0406
			1638	0.8000	0.44	1930	313.918	0.0438
			1640	0.2182	0.48	1934	372.408	0.0470
			1838	0.0055	0.49	1940	420.858	0.0524
			1843	1.0800	0.58	1943	454.928	0.0564
			1845	5.0989	0.75	1952	506.698	0.0653
			1849	3.1500	0.96	2004	530.839	0.0796
			1855	2.0000	1.16	2019	551.708	0.0981
			1902	1.2857	1.31	2034	561.329	0.1172
			1910	0.6750	1.40	2055	530.839	0.1435
			1919	0.1333	1.42	2115	495.748	0.1670
			1930	0.2182	1.46	2130	454.928	0.1833
			1952	0.2727	1.56	2145	415.918	0.1982
			2019	0.0	1.56	2155	396.260	0.2075
						2215	356.918	0.2247

Conversion Factor: CFS to In/Hr, multiply by 0.00013725.

1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 6 - 7, 1969 (CONTINUED)							
							5- 6	2230	326.958	0.2365
								2245	284.550	0.2469
								2300	251.520	0.2561
								2315	222.980	0.2643
								2330	193.960	0.2714
								2345	175.410	0.2778
								2400	155.820	0.2835
							5- 7	15	142.140	0.2886
								30	130.020	0.2932
								45	121.070	0.2975
								115	113.300	0.3056
								130	100.140	0.3092
								215	81.920	0.3186
								300	69.120	0.3264
								430	52.650	0.3389
								530	38.480	0.3452
								610	33.400	0.3485
								749	24.210	0.3550
								945	20.570	0.3609
								1315	18.100	0.3702
								1634	15.850	0.3779
								2000	13.170	0.3848
								2400	11.380	0.3915

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.



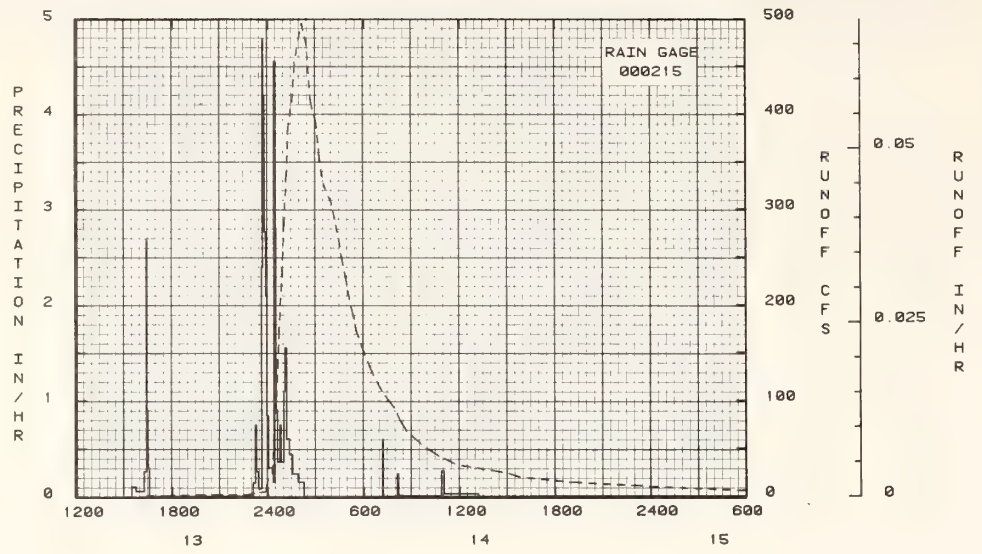
EVENT OF MAY 6 - 7, 1969

CHICKASEA, OKLAHOMA WATERSHED 514 NEAR TABLER

1969 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLE

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 13 - 15, 1969							
RG 000215			RG 000215							
6-13	0.0	0.003	6-13	1526	0.0	0.0	6-13	1621	1.240	0.0
				1543	0.1059	0.03		1807	1.640	0.0004
				1603	0.0600	0.05		1937	2.360	0.0008
				1613	0.0600	0.06		2107	2.490	0.0013
				1622	0.2667	0.10		2240	2.210	0.0018
WATERSHED CONDITIONS:										
4% crop land is alfalfa,				1624	2.7000	0.19		2352	5.860	0.0024
small grains, and row crop				1628	0.9000	0.25		2400	18.530	0.0026
rotation; 96% pasture or				1632	0.3000	0.27	6-14	16	24.690	0.0034
range. Approximately 43%				1934	0.0033	0.28		22	57.790	0.0040
is thin steep land that				2304	0.0086	0.31		30	96.980	0.0054
has been overgrazed.										
				2312	0.1500	0.33		37	135.560	0.0073
				2316	0.7500	0.38		43	177.560	0.0094
				2323	0.2571	0.41		53	232.710	0.0141
				2337	0.0857	0.43		101	284.550	0.0188
				2340	2.4000	0.55		111	341.770	0.0260
				2342	4.7990	0.71		116	383.448	0.0302
				2345	4.0000	0.91		131	414.260	0.0438
				2347	4.2010	1.05		141	454.928	0.0538
				2352	2.7600	1.28		200	486.728	0.0742
				2356	2.1000	1.42		207	495.748	0.0821
			6-14	1	0.8400	1.49		226	472.458	0.1032
				19	0.3000	1.58		241	412.610	0.1183
				23	0.1500	1.59		300	393.050	0.1358
				28	4.5600	1.97		313	356.918	0.1470
				31	2.8000	2.11		328	326.958	0.1587
				35	0.9000	2.17		400	305.378	0.1819
				45	0.3600	2.23		426	268.438	0.1989
				49	0.7500	2.28		437	248.970	0.2054
				59	0.3600	2.34		452	229.040	0.2136
				105	1.1000	2.45		501	213.470	0.2182
				110	1.5600	2.58		522	186.210	0.2278
				120	0.6000	2.68		531	173.250	0.2315
				131	0.4364	2.76		552	156.820	0.2394
				154	0.2348	2.85		604	147.920	0.2436
				214	0.1500	2.90		622	135.550	0.2494
				710	0.0	2.90		637	126.400	0.2539
				713	0.6000	2.93		652	117.590	0.2581
				804	0.0	2.93		707	109.930	0.2620
				809	0.2400	2.95		719	104.980	0.2650
				1053	0.0037	2.96		752	93.110	0.2725
				1102	0.2667	3.00		816	79.680	0.2772
				1310	0.0234	3.05		841	68.120	0.2814
								934	54.330	0.2888
								1041	41.910	0.2962
								1141	34.010	0.3014
								1213	31.630	0.3038
								1413	26.190	0.3118
								1507	23.260	0.3148
								1546	19.720	0.3167
								1911	14.130	0.3247
								2301	10.820	0.3312
								2400	9.510	0.3326

Conversion Factor: CFS to IN/HR, multiply by 0.0013725.



EVENT OF JUNE 13 - 15, 1969

CHICKASHA, OKIAHOMA WATERSHED 514 NEAR TAELER

1970 SELECTED RUNOFF EVENT — CHICKASHA, OKIAHOMA WATERSHED 514 NEAR TAELER

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 22 - 23, 1970							
	RG 000215			RG 000215						
9-22	0.0	0.0	9-22	340	0.0 -	0.0	9-22	737	0.0	0.0
				346	0.4000	0.04		746	0.790	0.0000
				349	1.0000	0.09		758	1.240	0.0000
				350	5.4000	0.18		818	1.790	0.0001
				354	1.6500	0.29		846	2.230	0.0002
				359	0.8400	0.36		943	2.470	0.0005
				407	0.1500	0.38		1004	3.280	0.0007
				415	0.5250	0.45		1016	4.580	0.0008
				424	0.8000	0.57		1022	6.510	0.0009
				429	0.2400	0.59		1030	8.760	0.0010
				435	0.4000	0.63		1034	11.520	0.0011
				531	0.0	0.63		1040	17.580	0.0013
				535	0.4500	0.66		1048	20.730	0.0017
				728	0.0159	0.69		1103	24.340	0.0024
				754	0.0462	0.71		1130	25.370	0.0040
				800	0.4000	0.75		1200	21.960	0.0056
				837	0.0	0.75		1213	20.270	0.0062
				840	0.6000	0.78		1222	18.910	0.0066
				844	1.8000	0.90		1251	17.970	0.0078
				847	0.4000	0.92		1310	20.660	0.0087
				852	1.8000	1.07		1315	25.620	0.0089
				855	1.4000	1.14		1322	41.220	0.0095
				926	0.0194	1.15		1323	53.730	0.0096
				928	0.6000	1.17		1328	65.990	0.0103
				1214	0.0	1.17		1331	100.330	0.0108
				1221	0.3429	1.21		1336	150.540	0.0123
				1226	3.4800	1.50		1340	216.790	0.0139
				1232	1.6000	1.66		1345	254.280	0.0166
				1239	2.4857	1.95		1349	299.520	0.0192
				1250	1.5818	2.24		1358	350.570	0.0259

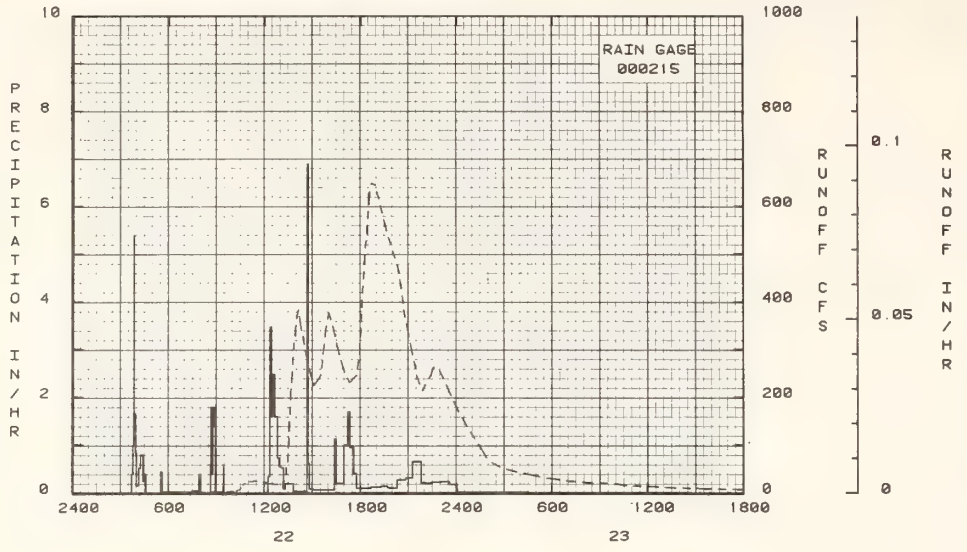
WATERSHED CONDITIONS:
4% crop land is alfalfa, small grains, and row crop rotation; 96% pasture or range. Approximately 43% is thin steep land that has been overgrazed.

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.

1970 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 22 - 23, 1970 (CONTINUED)							
			9-22	1255	0.7200	2.36	9-22	1407	383.110	0.0334
				1304	0.5333	2.38		1419	341.310	0.0433
				1311	0.5143	2.44		1437	288.688	0.0563
				1319	0.0750	2.45		1455	242.940	0.0673
				1350	0.1935	2.55		1506	224.330	0.0731
				1440	0.0240	2.57		1533	247.080	0.0877
				1444	6.9000	3.03		1541	297.050	0.0927
				1449	0.6000	3.08		1552	349.560	0.1008
				1504	0.0800	3.10		1601	377.100	0.1083
				1622	0.0538	3.17		1619	342.229	0.1231
				1630	1.1250	3.32		1640	289.310	0.1383
				1659	0.1862	3.41		1700	252.470	0.1507
				1714	1.0000	3.66		1719	230.270	0.1612
				1720	1.7000	3.83		1745	246.770	0.1754
				1734	0.9429	4.05		1758	298.500	0.1835
				1746	0.4000	4.13		1807	418.408	0.1908
				1808	0.0818	4.16		1815	483.219	0.1991
				1840	0.0938	4.21		1825	559.878	0.2110
				1919	0.1231	4.29		1934	631.948	0.2233
				1943	0.1500	4.35		1840	648.079	0.2321
				2019	0.1000	4.41		1855	644.408	0.2542
				2051	0.2813	4.56		1937	548.288	0.3115
				2116	0.3120	4.69		2019	474.769	0.3607
				2149	0.6545	5.05		2034	426.969	0.3762
				2231	0.2000	5.19		2043	382.020	0.3845
				2305	0.2294	5.32		2058	341.530	0.3969
				2335	0.2400	5.44		2116	288.638	0.4099
			9-23	4	0.1655	5.52		2133	242.950	0.4202
				431	0.0022	5.53		2143	226.830	0.4256
								2153	212.840	0.4306
								2225	246.460	0.4474
								2237	263.330	0.4544
								2300	253.000	0.4680
								2340	203.700	0.4889
								2400	180.440	0.4977
							9-23	10	168.840	0.5017
								40	138.930	0.5122
								110	113.280	0.5209
								134	91.440	0.5265
								155	73.200	0.5305
								222	59.800	0.5346
								245	53.720	0.5376
								316	47.980	0.5412
								348	42.570	0.5445
								434	37.470	0.5487
								515	32.680	0.5520
								601	28.250	0.5552
								701	24.140	0.5588
								807	20.740	0.5622
								1007	17.730	0.5675
								1040	14.210	0.5687
								1215	12.330	0.5715
								1319	10.190	0.5732
								1600	7.700	0.5765

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.



EVENT OF SEPTEMBER 22 - 23, 1970

CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

1971 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

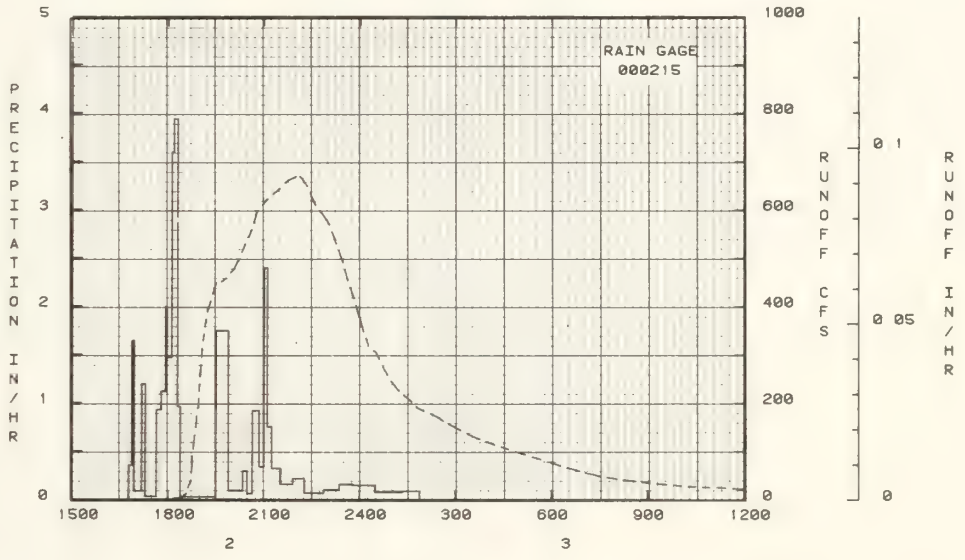
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF OCTOBER 2 - 3, 1971						
RG 000215				RG 000215						
10- 2	0.05	0.001	10- 2	1643	0.0	0.0	10- 2	1651	0.640	0.0
				1647	0.0	0.0		1740	0.730	0.0001
				1652	0.3600	0.03		1752	1.050	0.0001
				1656	1.6500	0.14		1801	1.710	0.0001
				1710	0.0857	0.16		1810	2.880	0.0002
WATERSHED CONDITIONS:										
4% crop land is alfalfa,				1717	1.2000	0.30		1825	3.830	0.0003
small grains, and row crop				1738	0.0286	0.31		1831	6.960	0.0004
rotation; 96% pasture or				1747	0.9333	0.45		1834	14.090	0.0004
range. Approximately 43%				1755	1.1250	0.60		1838	24.760	0.0006
is thin steep land that				1758	2.0000	0.70		1843	40.580	0.0010
has been overgrazed.										
				1807	1.4667	0.92		1845	65.200	0.0012
				1811	3.6000	1.16		1846	90.390	0.0014
				1818	3.9429	1.62		1849	120.150	0.0021
				1823	0.9600	1.70		1853	159.030	0.0034
				1930	0.0269	1.73		1858	209.530	0.0055
				1954	1.7500	2.43		1901	265.030	0.0071
				2021	0.0889	2.47		1904	314.080	0.0091
				2029	0.3000	2.51		1911	373.780	0.0146
				2039	0.0600	2.52		1916	397.070	0.0191
				2052	0.9231	2.72		1930	448.500	0.0326
				2101	0.3333	2.77		1940	451.520	0.0429
				2107	2.4000	3.01		1949	458.800	0.0523
				2115	0.7500	3.11		2004	477.969	0.0683
				2132	0.3176	3.20		2013	498.040	0.0784
				2155	0.1565	3.26		2025	529.509	0.0925
				2217	0.2182	3.34		2037	558.208	0.1074
				2253	0.0667	3.36		2048	598.320	0.1220
				2322	0.1034	3.43		2107	623.069	0.1485
				2348	0.1615	3.50		2130	644.978	0.1819
			10- 3	29	0.1463	3.60		2145	661.580	0.2043

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.

1971 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 2 - 3, 1971 (CONTINUED)							
			10- 3	119	0.0720	3.66	10- 2	2200	669.469	0.2271
				153	0.0882	3.71		2207	669.540	0.2378
								2221	647.158	0.2589
								2237	608.478	0.2819
								2249	590.600	0.2984
								2303	567.979	0.3169
								2315	528.850	0.3320
								2328	489.499	0.3471
								2337	452.458	0.3568
								2349	415.969	0.3687
								2358	380.989	0.3769
								2400	376.610	0.3786
							10- 3	7	347.850	0.3844
								16	318.050	0.3913
								31	302.938	0.4019
								45	271.080	0.4111
								100	242.780	0.4200
								113	224.910	0.4269
								137	202.160	0.4386
								149	188.660	0.4440
								225	170.780	0.4588
								258	149.600	0.4709
								331	130.420	0.4814
								413	112.960	0.4931
								458	97.060	0.5039
								540	82.660	0.5126
								616	69.810	0.5189
								652	58.380	0.5241
								730	48.250	0.5288
								801	42.580	0.5320
								837	37.730	0.5353
								922	32.110	0.5389
								1016	27.080	0.5426
								1113	24.460	0.5459

Conversion Factor: CFS to In/HR, multiply by 0.00013725.



EVENT OF OCTOBER 2 - 3, 1971

CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

1972 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 514 NEAR TABLE

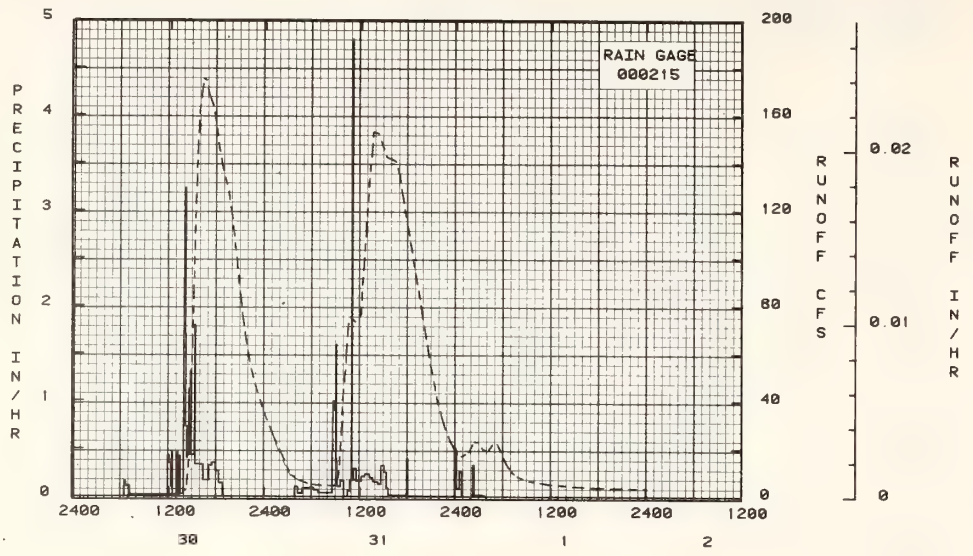
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 30 - NOVEMBER 1 1972							
RG 000215			RG 000215							
10-30	0.0	0.001	10-30	620	0.0	0.0	10-30	826	0.790	0.0
				631	0.1636	0.03		1215	1.040	0.0005
				642	0.1091	0.05		1330	1.210	0.0007
				702	0.1200	0.09		1352	2.410	0.0008
				1150	0.0167	0.17		1407	2.810	0.0008
WATERSHED CONDITIONS: 4% crop land is alfalfa, small grains, and row crop rotation; 96% pasture or range. Approximately 43% is thin steep land that has been overgrazed.				1201	0.4364	0.25		1415	4.920	0.0009
				1213	0.3500	0.32		1421	9.290	0.0010
				1219	0.1000	0.33		1425	12.210	0.0011
				1224	0.4800	0.37		1430	15.520	0.0013
				1301	0.0	0.37		1434	19.520	0.0014
				1306	0.4800	0.41		1440	28.920	0.0018
				1317	0.0	0.41		1445	40.950	0.0022
				1324	0.4286	0.46		1448	53.430	0.0025
				1348	0.0250	0.47		1455	67.830	0.0035
				1353	2.2800	0.66		1501	85.560	0.0045
				1358	3.2400	0.93		1507	104.240	0.0058
				1404	1.7000	1.10		1511	113.760	0.0068
				1413	0.7333	1.21		1516	124.260	0.0082
				1419	0.4000	1.25		1522	134.970	0.0099
				1430	0.4364	1.33		1528	146.400	0.0119
				1439	1.1333	1.50		1537	157.770	0.0150
				1444	1.3200	1.61		1546	164.270	0.0183
				1513	0.4345	1.82		1606	173.190	0.0260
				1516	1.8000	1.91		1613	175.080	0.0288
				1615	0.3356	2.24		1630	174.470	0.0356
				1701	0.1696	2.37		1649	169.020	0.0431
				1721	0.3300	2.48		1722	163.840	0.0557
				1751	0.3600	2.66		1737	160.200	0.0612
				1816	0.2640	2.77		1815	144.650	0.0745
				1846	0.1400	2.84		1843	136.550	0.0835
			10-31	350	0.0	2.84		1925	127.300	0.0961
				412	0.1091	2.88		1945	119.230	0.1018
				449	0.0324	2.90		2007	109.070	0.1075
				547	0.0931	2.95		2028	98.420	0.1125
				611	0.1000	3.03		2045	88.960	0.1161
				647	0.0667	3.07		2104	80.070	0.1198
				831	0.0404	3.14		2122	71.710	0.1229
				836	0.4800	3.18		2145	63.850	0.1265
				848	1.0000	3.38		2207	56.550	0.1295
				856	0.9000	3.50		2234	49.720	0.1328
				859	1.6000	3.58		2307	43.350	0.1363
				909	0.3600	3.64		2343	37.440	0.1397
				932	0.1043	3.68		2400	34.940	0.1411
				957	0.1680	3.75	10-31	19	32.000	0.1425
				1027	0.0	3.75		55	27.030	0.1449
				1046	0.0632	3.77		131	22.310	0.1470
				1056	0.1800	3.80		210	18.080	0.1488
				1058	4.8000	3.96		231	15.180	0.1496
				1112	0.1714	4.00		249	12.870	0.1502
				1132	0.3000	4.10		307	10.650	0.1506
				1210	0.1579	4.20		328	8.800	0.1511
				1238	0.2143	4.30		345	8.070	0.1514
				1313	0.2400	4.44		433	6.480	0.1522
				1338	0.1920	4.52		525	5.470	0.1529
				1413	0.1543	4.61		607	5.000	0.1534
				1441	0.1286	4.67		707	4.640	0.1541
				1501	0.3300	4.78		845	4.470	0.1551
				1520	0.2526	4.86		906	5.730	0.1554
				1534	0.0857	4.88		915	7.910	0.1555
				1756	0.0085	4.90		921	10.500	0.1556
				1802	0.4000	4.94		925	13.450	0.1557
				2354	0.0034	4.96		930	16.700	0.1559
			11- 1	8	0.4714	5.07		934	19.770	0.1561
				31	0.0783	5.10		940	27.670	0.1564
				49	0.2667	5.18		943	31.450	0.1566
				214	0.0	5.18		949	41.150	0.1571
				223	0.3333	5.23		955	45.090	0.1577
				339	0.0158	5.25		1001	48.890	0.1583
								1007	53.150	0.1590
								1013	58.430	0.1598

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.

1972 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TAELE

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 30 - NOVEMBER 1, 1972 (CONTINUED)							
							10-31	1021	64.110	0.1609
								1030	72.560	0.1623
								1040	75.330	0.1640
								1121	73.200	0.1710
								1204	76.450	0.1784
								1213	85.800	0.1800
								1226	97.120	0.1828
								1245	114.980	0.1874
								1301	130.670	0.1919
								1322	145.170	0.1985
								1334	153.160	0.2026
								1415	151.990	0.2169
								1455	145.660	0.2305
								1516	142.280	0.2374
								1625	140.460	0.2597
								1652	134.730	0.2682
								1725	129.270	0.2780
								1758	112.500	0.2869
								1830	102.250	0.2947
								1901	92.080	0.3016
								1930	82.930	0.3074
								1955	74.310	0.3119
								2019	66.220	0.3158
								2043	58.250	0.3192
								2104	51.290	0.3218
								2128	44.750	0.3245
								2152	38.500	0.3268
								2219	33.000	0.3290
								2248	27.960	0.3310
								2319	23.390	0.3328
								2352	19.890	0.3345
								2400	20.880	0.3348
							11- 1	18	17.920	0.3356
								49	16.880	0.3369
								118	18.020	0.3380
								145	18.820	0.3392
								213	22.100	0.3405
								225	23.100	0.3411
								252	23.020	0.3425
								325	20.080	0.3441
								345	19.140	0.3450
								416	19.780	0.3464
								440	21.830	0.3476
								515	22.170	0.3493
								545	18.840	0.3507
								611	15.190	0.3517
								645	11.830	0.3528
								704	10.400	0.3533
								722	9.460	0.3537
								749	8.440	0.3542
								828	7.370	0.3549
								922	6.380	0.3558
								949	6.070	0.3562
								1043	5.670	0.3569
								1207	5.000	0.3579

Conversion Factor: CPS to IN/HR, multiply by 0.00013725.



EVENT OF OCTOBER 30 - NOVEMBER 1, 1972

CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

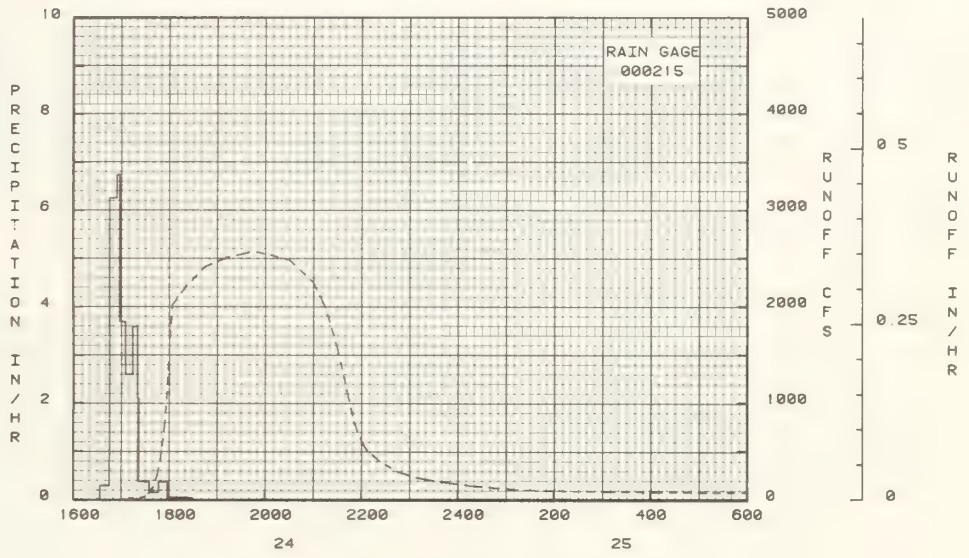
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 24 - 25, 1973							
	RG 000215			RG 000215						
5-24	0.0	0.012	5-24	1633	0.0	0.0	5-24	1700	4.920	0.0
				1643	0.3000	0.05		1704	7.390	0.0001
				1645	0.3000	0.06		1710	11.910	0.0002
				1654	6.2667	1.00		1715	17.000	0.0004
				1658	6.7500	1.45		1725	24.380	0.0008
WATERSHED CONDITIONS:										
4% crop land is alfalfa, small grains, and row crop rotation; 96% pasture or range. Approximately 43% is thin steep land that has been overgrazed.				1705	3.6857	1.88		1730	34.050	0.0012
				1714	2.6000	2.27		1734	62.570	0.0016
				1720	3.6000	2.63		1740	131.280	0.0029
				1722	2.1000	2.70		1745	259.550	0.0052
				1735	0.3692	2.78		1749	410.438	0.0082
				1747	0.1500	2.81		1755	824.590	0.0167
				1758	0.3818	2.86		1800	1529.438	0.0302
				1828	0.0400	2.90		1804	2025.340	0.0464
								1822	2224.928	0.1339
								1845	2420.738	0.2561
								1915	2524.040	0.4258
								1940	2566.408	0.5714
								1949	2566.408	0.6242
								2030	2482.259	0.8610
								2100	2243.878	1.0231
								2115	1990.770	1.0958
								2130	1571.010	1.1569
								2145	1019.398	1.2013
								2152	777.368	1.2157
								2200	610.840	1.2284
								2207	504.858	1.2374
								2215	451.260	1.2461
								2222	397.428	1.2529
								2230	360.100	1.2598
								2237	325.280	1.2653

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 24 - 25, 1973 (CONTINUED)							
							5-24	2245	265.960	1.2709
								2300	243.920	1.2800
								2315	213.250	1.2878
								2330	190.460	1.2948
								2345	173.010	1.3010
								2400	157.830	1.3067
							5-25	15	141.490	1.3118
								30	128.310	1.3165
								52	112.400	1.3225
								115	97.050	1.3280
								130	91.550	1.3313

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.



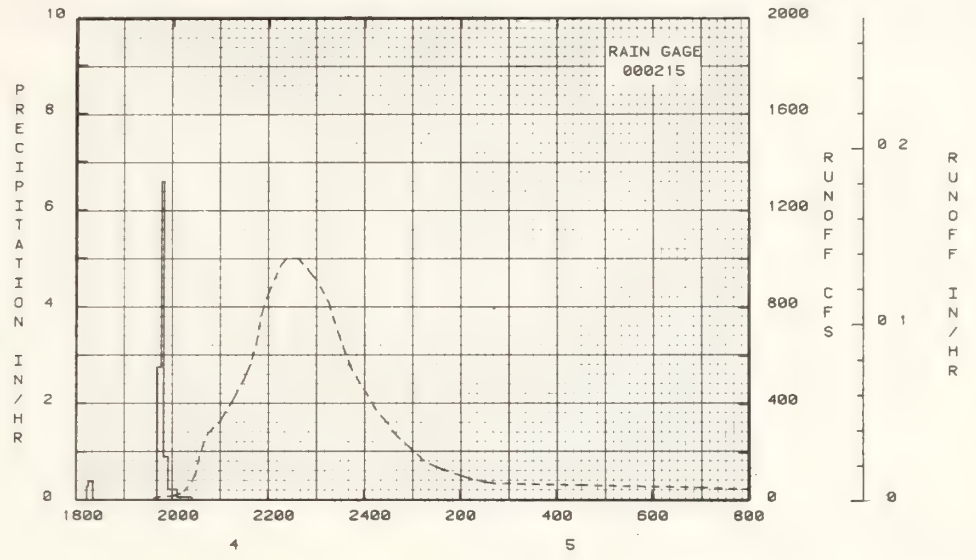
EVENT OF MAY 24 - 25, 1973

CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 514 NEAR TAELER

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JUNE 4 - 5, 1973						
	RG 000215			RG 000215						
6- 4	0.0	0.031	6- 4	1813	0.0	0.0	6- 4	1937	10.150	0.0
				1815	0.3000	0.01		1945	15.620	0.0002
				1821	0.4000	0.05		2000	19.310	0.0008
				1941	0.0075	0.06		2010	30.090	0.0014
				1946	2.7600	0.29		2015	40.810	0.0018
WATERSHED CONDITIONS:										
4% crop land is alfalfa,				1949	6.6000	0.62		2019	57.060	0.0023
small grains, and row crop				1955	0.9000	0.71		2025	79.840	0.0032
rotation; 96% pasture or				2006	0.2182	0.75		2030	121.580	0.0044
range. Approximately 43%				2025	0.0632	0.77		2034	182.840	0.0057
is thin steep land that								2040	243.920	0.0087
has been overgrazed.										
								2045	279.198	0.0117
								2100	329.020	0.0221
								2107	368.178	0.0277
								2115	410.438	0.0348
								2122	455.958	0.0417
								2130	504.858	0.0505
								2137	557.289	0.0590
								2145	649.300	0.0701
								2152	777.368	0.0815
								2200	857.418	0.0964
								2215	971.979	0.1278
								2222	1000.198	0.1436
								2237	1000.198	0.1779
								2300	908.759	0.2282
								2315	816.550	0.2578
								2330	662.570	0.2831
								2345	535.888	0.3037
								2400	455.958	0.3207
							6- 5	15	372.260	0.3349
								30	314.208	0.3467
								37	279.198	0.3515
								45	253.210	0.3563
								100	209.100	0.3643
								115	163.560	0.3707
								130	138.370	0.3758
								145	119.700	0.3803
								200	103.700	0.3841
								215	88.490	0.3874
								230	76.210	0.3902
								245	70.500	0.3927

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.



EVENT OF JUNE 4 - 5, 1973

CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TAELER

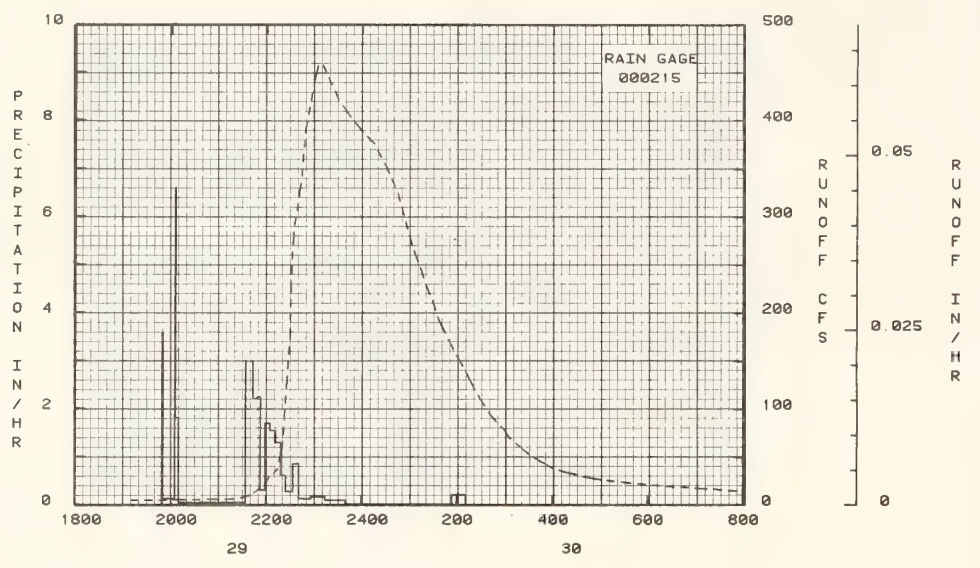
1974 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TAELER

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
					EVENT OF APRIL 29 - 30, 1974					
RG 000215				RG 000215						
4-29	0.75	0.012	4-29	1949	0.0	0.0	4-29	1910	5.060	0.0
				1950	3.6000	0.06		2019	5.280	0.0008
				2005	0.1200	0.09		2100	5.950	0.0014
				2006	6.6016	0.20		2119	6.430	0.0016
				2010	1.8000	0.32		2130	7.700	0.0018
WATERSHED CONDITIONS:										
4% crop land is alfalfa,				2134	0.0357	0.37		2140	10.070	0.0020
small grains, and row crop				2143	3.0000	0.82		2145	12.530	0.0021
rotation; 96% pasture or				2149	2.2000	1.04		2152	17.860	0.0024
range. Approximately 43%				2153	2.2500	1.19		2200	22.770	0.0027
is thin steep land that				2159	0.3000	1.22		2204	28.810	0.0030
has been overgrazed.										
				2205	1.7000	1.39		2210	33.170	0.0034
				2212	1.5429	1.57		2215	37.900	0.0038
				2219	1.2857	1.72		2218	51.680	0.0041
				2225	0.6000	1.78		2221	65.380	0.0045
				2234	0.2667	1.82		2223	91.160	0.0049
				2241	0.8571	1.92		2226	126.770	0.0056
				2256	0.1200	1.95		2230	176.520	0.0070
				2314	0.1667	2.00		2231	233.440	0.0075
				2340	0.0923	2.04		2234	283.850	0.0093
			4-30	154	0.0134	2.07		2243	334.719	0.0156
				211	0.2118	2.13		2249	391.729	0.0206
								2300	442.840	0.0311
								2304	457.368	0.0352
								2310	457.368	0.0415
								2330	420.668	0.0616
								2345	403.128	0.0757
								2400	387.979	0.0893
							4-30	15	375.050	0.1024
								30	351.860	0.1149
								45	323.080	0.1265

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.

1974 SELECTED RUNOFF EVENT				CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER						
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF APRIL 29 - 30, 1974 (CONTINUED)										
							4-30	100	277.898	0.1368
								107	260.580	0.1411
								115	242.700	0.1457
								122	225.700	0.1494
								130	209.560	0.1534
								137	191.970	0.1566
								145	178.670	0.1600
								155	161.970	0.1639
								207	144.540	0.1681
								215	131.930	0.1707
								222	120.110	0.1727
								230	109.070	0.1748
								240	95.950	0.1771
								249	86.550	0.1790
								300	77.220	0.1811
								307	68.620	0.1822
								319	60.230	0.1840
								330	53.040	0.1854
								345	44.830	0.1871
								400	38.170	0.1885
								415	34.180	0.1898
								430	31.150	0.1909
								445	28.350	0.1919
								500	26.340	0.1928
								530	23.380	0.1946

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.



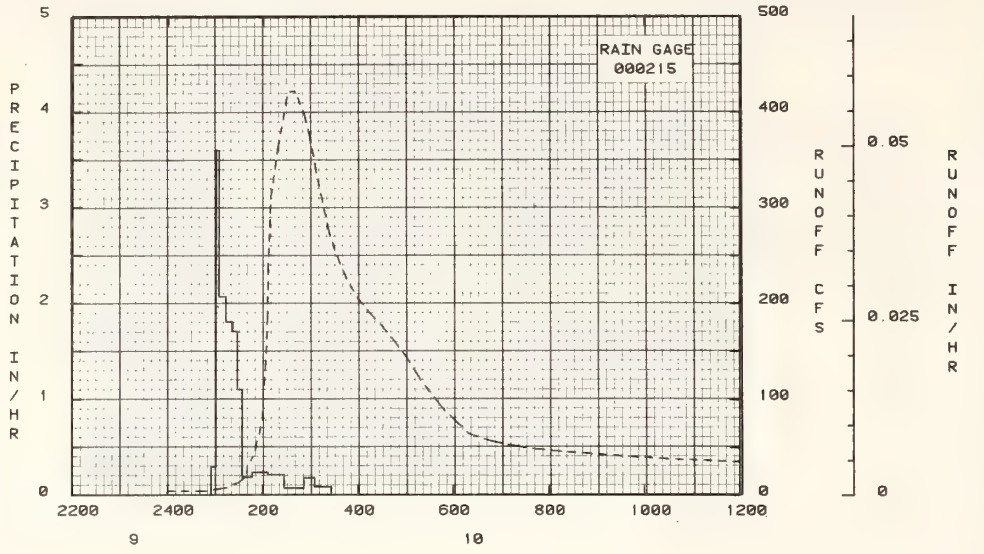
EVENT OF APRIL 29 - 30, 1974

CHICKASEA, OKLAHOMA WATERSHED 514 NEAR TABLER

1975 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 9 - 10, 1975							
RG 000215			RG 000215							
6-10	0.0		6-10	55	0.0	0.0	6- 9	2400	4.920	0.0
6- 9		0.018		101	0.3000	0.03	6-10	40	4.420	0.0005
				105	3.6000	0.27		115	8.410	0.0010
				114	2.0667	0.58		130	13.880	0.0013
				122	1.8000	0.82		137	18.480	0.0016
WATERSHED CONDITIONS:										
4% crop land is alfalfa,				128	1.7000	0.99		140	23.200	0.0017
small grains, and row crop				134	1.1000	1.10		141	29.390	0.0018
rotation; 96% pasture or				147	0.1846	1.14		145	36.530	0.0021
range. Approximately 43%				207	0.2400	1.22		148	41.140	0.0024
is thin steep land that				227	0.2100	1.29		151	46.900	0.0027
has been overgrazed.										
				252	0.0720	1.32		153	57.100	0.0029
				305	0.1846	1.36		156	64.020	0.0033
				326	0.0857	1.39		200	80.620	0.0040
								201	107.630	0.0042
								204	140.640	0.0050
								206	184.800	0.0058
								207	242.200	0.0063
								210	311.510	0.0082
								219	362.620	0.0151
								230	415.540	0.0249
								234	421.530	0.0287
								240	421.530	0.0345
								252	396.040	0.0457
								300	368.040	0.0527
								307	336.360	0.0584
								315	305.110	0.0642
								322	277.500	0.0689
								330	255.910	0.0738
								337	240.860	0.0778
								345	225.190	0.0820
								400	204.280	0.0894
								415	189.260	0.0961
								430	176.110	0.1024
								445	160.630	0.1082
								500	144.300	0.1134
								510	131.780	0.1166
								519	120.070	0.1192
								530	107.630	0.1220
								540	97.530	0.1244
								549	88.140	0.1263
								600	79.410	0.1284
								610	71.330	0.1301
								619	63.860	0.1315
								630	60.900	0.1331
								645	56.920	0.1351
								700	54.060	0.1370
								715	51.770	0.1388
								730	49.670	0.1406
								745	48.110	0.1422
								815	45.700	0.1455
								845	43.830	0.1485
								922	41.470	0.1521
								952	39.810	0.1549
								1030	37.830	0.1583
								1200	34.910	0.1658

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.



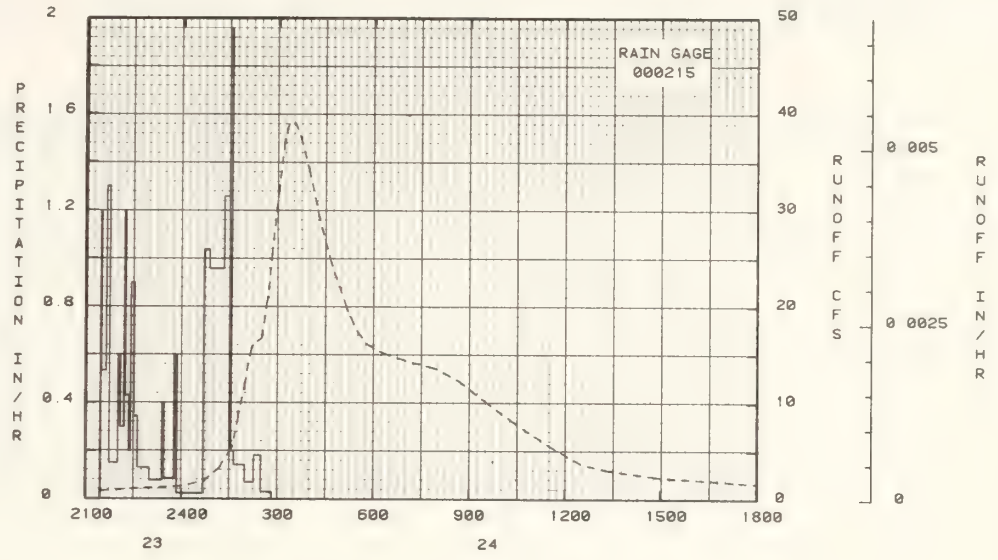
EVENT CP JUNE 9 - 10, 1975

CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

1976 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT CP JUNE 23 - 24, 1976							
RG 000215			RG 000215							
6-23	0.0	0.003	6-23	2126	0.0	0.0	6-23	2130	0.920	0.0
				2128	1.2000	0.04		2400	1.430	0.0004
				2137	0.5333	0.12	6-24	41	1.920	0.0006
				2143	1.3000	0.25		111	3.310	0.0007
				2159	0.1500	0.29		136	5.590	0.0010
WATERSHED CONDITIONS: 4% crop land is alfalfa, small grains, and row crop rotation; 96% pasture or range. Approximately 43% is thin steep land that has been overgrazed.				2204	0.6000	0.34		148	9.170	0.0012
				2210	0.3000	0.37		200	12.650	0.0015
				2213	1.2000	0.43		211	15.920	0.0018
				2220	0.4286	0.48		230	16.840	0.0026
				2223	0.2000	0.49		241	21.060	0.0030
				2229	0.9000	0.58		248	25.410	0.0034
				2236	0.3429	0.62		300	31.860	0.0042
				2259	0.1304	0.67		311	37.390	0.0051
				2322	0.0783	0.70		318	38.900	0.0057
				2325	0.4000	0.72		330	39.070	0.0067
				2346	0.0857	0.75		341	37.560	0.0077
				2350	0.6000	0.79		400	33.460	0.0092
			6-24	40	0.0240	0.81		418	28.890	0.0105
				51	1.0364	1.00		441	24.220	0.0119
				118	0.9556	1.43		511	19.530	0.0134
				128	1.2600	1.64		530	17.370	0.0142
				132	1.9500	1.77		548	16.050	0.0149
				138	0.2000	1.79		618	15.150	0.0160
				159	0.1429	1.84		700	14.390	0.0174
				216	0.0706	1.86		800	13.510	0.0193
				229	0.1846	1.90		841	12.290	0.0205
				249	0.0300	1.91		930	10.180	0.0218
								1030	7.770	0.0230
								1130	5.590	0.0239

Conversion Factor: CFS to IN/HR, multiply by C.00013725.



EVENT CP JUNE 23 - 24, 1976

CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

1977 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

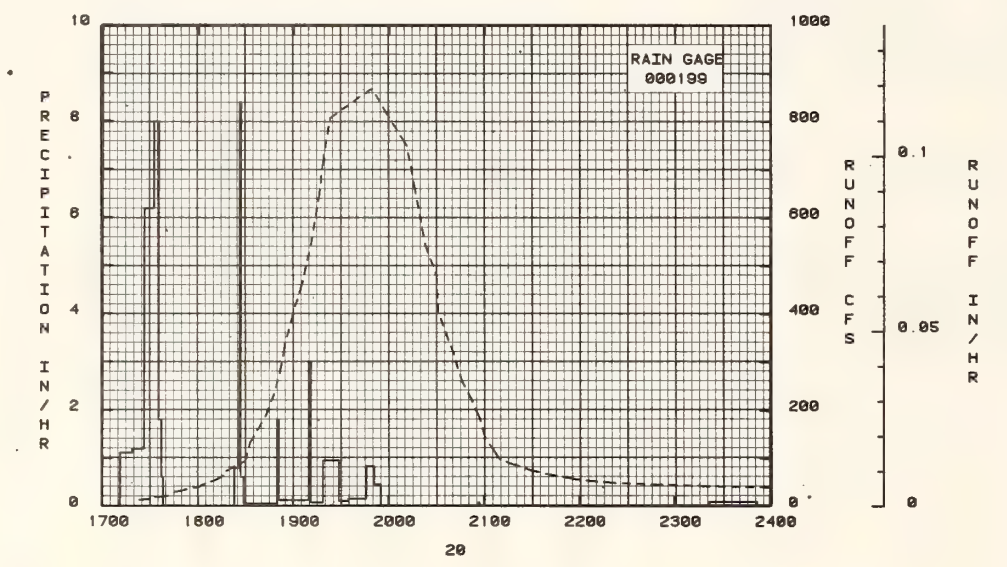
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT CP MAY 20, 1977						
RG 000199				RG 000199						
5-20	0.04	0.056	5-20	1711	0.0	0.0	5-20	1723	13.880	0.0
				1719	1.1250	0.15		1730	16.180	0.0002
				1726	1.2000	0.29		1733	20.220	0.0004
				1732	6.2000	0.91		1741	22.770	0.0007
				1735	8.0000	1.31		1745	29.980	0.0010
WATERSHED CONDITIONS:				1737	1.8000	1.37		1753	36.400	0.0016
9% crop land is alfalfa,				1738	0.6000	1.38		1800	40.250	0.0022
small grains, and row crop				1823	0.0133	1.39		1804	47.390	0.0026
rotation; 96% pasture or				1826	0.8000	1.43		1811	54.850	0.0034
range. Approximately 43%				1827	8.3943	1.57		1816	64.180	0.0041
is thin steep land that				1829	0.6000	1.59		1818	74.500	0.0044
has been overgrazed.				1850	0.0571	1.61		1823	83.770	0.0053
				1851	1.8000	1.64		1830	95.190	0.0068
				1910	0.1263	1.66		1833	132.920	0.0075
				1911	3.0000	1.73		1838	161.230	0.0092
				1919	0.0750	1.74		1843	190.390	0.0112
				1929	0.9600	1.90		1848	233.360	0.0137
				1935	0.1000	1.91		1852	283.070	0.0160
				1946	0.1636	1.94		1855	338.458	0.0181
				1951	0.6400	2.01		1900	401.428	0.0224
				1955	0.4500	2.04		1906	468.300	0.0283
				2322	0.0087	2.07		1911	545.418	0.0341
				2352	0.1000	2.12		1916	642.218	0.0409
								1919	730.078	0.0456
								1923	807.128	0.0527
								1948	866.188	0.1005
								1949	866.188	0.1025
								2000	807.128	0.1236
								2011	748.060	0.1431
								2016	664.059	0.1512

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.

1977 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 20, 1977 (CONTINUED)							
							5-20	2023	540.638	0.1609
								2030	479.108	0.1690
								2031	403.340	0.1700
								2036	359.168	0.1744
								2041	315.428	0.1782
								2046	261.500	0.1815
								2053	217.100	0.1854
								2058	176.410	0.1876
								2101	140.730	0.1887
								2106	116.720	0.1902
								2110	97.880	0.1912
								2118	87.460	0.1929
								2130	73.940	0.1951
								2141	66.130	0.1968
								2153	58.990	0.1986
								2200	55.230	0.1995
								2211	51.540	0.2008
								2223	48.640	0.2022
								2248	45.440	0.2049
								2318	42.480	0.2079
								2400	39.570	0.2118

Conversion Factor: CFS to IN/HR, multiply by 0.00013725.



EVENT OF MAY 20, 1977

CHICKASHA, OKLAHOMA WATERSHED 514 NEAR TABLER

CHICKASHA, OKLAHOMA WATERSHED 9141 NEAR MILLER

LOCATION: Grady County, Okla.; near Highway 62 in the vicinity of Middleton; tributary of East Cutter Creek, [illegible] River; Red River Basin. GAUGE STATION--NE1/4 sec. 13, T. 7 N., R. 7 W., I.M. [illegible] sec., long. [illegible] 46 min. 33 sec., at artificial control.

AREA: [illegible] acres [illegible] sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) CHICKASHA, OKLAHOMA WATERSHED 9141 NEAR MILLER

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1968	P	2.59	1.24	2.12	2.27	4.61	2.48	4.03	1.26	3.35	2.30	4.04	1.11	31.70
	Q	0.092	0.065	0.185	0.119	0.193	0.168	0.128	0.009	0.115	0.073	0.115	0.077	1.484
1969	P	0.80	2.60	2.14	1.19	5.54	3.72	3.46	2.62	3.79	1.46	0.42	1.79	29.53
	Q	0.065	0.108	0.155	0.138	0.955	0.475	0.189	0.053	0.064	0.074	0.071	0.097	2.445
1970	P	0.10	0.77	2.21	2.20	3.87	1.15	1.34	2.18	7.71	3.01	1.11	4.35	26.00
	Q	0.100	0.082	0.106	0.101	0.226	0.055	0.020	0.024	0.485	0.144	0.070	0.074	1.481
1971	P	0.60	1.77	0.18	0.80	4.08	4.81	2.73	3.42	5.90	5.62	0.61	2.30	33.82
	Q	0.075	0.084	0.060	0.061	0.087	0.293	0.043	0.065	0.278	0.594	0.074	0.176	1.990
1972	P	0.17	0.63	0.92	4.22	3.17	0.98	1.48	1.54	0.90	8.41	2.41	0.71	25.46
	Q	0.120	0.112	0.114	0.214	0.217	0.056	0.034	0.013	0.019	0.354	0.160	0.106	1.517
1973	P	3.37	3.68	5.98	2.53	7.96	6.30	3.84	1.33	7.45	3.18	3.48	0.09	46.17
	Q	0.210	0.185	1.050	0.788	2.073	2.421	0.516	0.202	0.367	0.254	0.751	0.319	9.147
1974	P	2.14	1.81	1.81	4.65	3.20	1.03	0.52	4.78	3.86	5.38	1.66	1.53	30.41
	Q	0.236	0.239	0.310	0.377	0.330	0.130	0.064	0.163	0.113	0.297	0.220	0.227	2.705
1975	P	1.96	2.15	1.97	2.71	8.23	5.05	4.10	1.25	1.88	1.04	1.14	1.10	32.59
	Q	0.267	0.342	0.545	0.575	1.345	1.674	0.336	0.174	0.108	0.132	0.147	0.193	5.840
1976	P	0.0	0.32	2.79	3.56	1.54	2.70	3.40	1.53	2.74	2.22	0.16	0.55	21.95
	Q	0.108	0.136	0.251	0.128	0.105	0.075	0.104	0.043	0.055	0.063	0.068	0.086	1.234
1977	P	0.50	1.59	1.35	2.59	9.70	2.44	1.05	1.20	1.18	1.47	1.04	0.16	24.27
	Q	0.080	0.076	0.080	0.089	0.938	0.173	0.036	0.026	0.035	0.044	0.066	0.067	1.710
STA AV	P	0.94	1.24	2.13	3.02	5.12	2.98	2.53	2.05	4.01	3.36	1.52	1.07	29.98
	Q	0.128	0.134	0.264	0.313	0.697	0.505	0.135	0.070	0.158	0.190	0.164	0.142	2.805

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1968	9- 4	0.030	9- 4	0.026	9- 4	0.047	9- 4	0.079	9- 4	0.086	9- 3	0.091	9- 3	0.094	9-10	0.133
1969	5- 6	0.106	5- 6	0.098	5- 6	0.186	5- 6	0.330	5- 6	0.417	5- 6	0.467	5- 6	0.505	5- 3	0.729
1970	9-22	0.074	9-22	0.069	9-22	0.128	9-22	0.261	9-22	0.379	9-22	0.427	9-22	0.443	9-22	0.467
1971	10- 2	0.127	10- 2	0.118	10- 2	0.211	10- 2	0.383	10- 2	0.455	10- 2	0.473	10- 2	0.484	10- 2	0.523
1972	10-31	0.024	10-31	0.023	10-31	0.046	10-31	0.125	10-31	0.183	10-30	0.214	10-30	0.327	10-30	0.367
1973	5-24	0.520	5-24	0.423	5-24	0.726	5-24	0.997	5-24	1.066	5-24	1.124	5-24	1.167	5-30	1.970
1974	4-29	0.065	4-29	0.057	4-29	0.091	4-29	0.124	4-29	0.134	4-29	0.141	4-29	0.216	4-29	0.433
1975	5-22	0.125	5-22	0.103	5-22	0.162	5-22	0.283	5-22	0.396	5-22	0.526	5-22	0.729	5-22	1.106
1976	7-15	0.008	7-15	0.007	7-15	0.013	7-15	0.020	3-26	0.036	3-26	0.054	3-25	0.107	3-24	0.214
1977	5-20	0.221	5-20	0.148	5-20	0.193	5-20	0.273	5-20	0.334	5-20	0.445	5-19	0.647	5-19	0.828
MAXIMUMS FOR PERIOD OF RECORD																
	5-24 1973	0.520	5-24 1973	0.423	5-24 1973	0.726	5-24 1973	0.997	5-24 1973	1.066	5-24 1973	1.124	5-24 1973	1.167	5-30 1973	1.970

Watershed Conditions: 100% used for pasture or range. Approximately 40% is thin steep land that has been grazed heavily. Tall, intermediate, and short grasses are prevalent. There are 23 farm ponds in this watershed.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Pub. 1262, page 69.21-6. Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA Misc. Pub. 1216, page 69.7-21.
Precipitation: Records began Jan. 1967. Thiessen weighted average of 17 rain gages for 1967-74 and 14 rain gages for 1975 onward.
Runoff: Records began Jan. 1967. STA AV values based on 11 yr beginning 1967.
Long-Term Precipitation: National Weather Service records at Chickasha, Oklahoma.

1968 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.13	0.0	0.17	0.0	0.81	1.53	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.0
3	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	1.20	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.01	0.05	0.0	0.0	1.34	0.01	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	1.13	0.0	0.0
6	0.03	0.0	0.0	0.0	0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.08	0.0	0.04	0.59	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.85	0.0	0.0	0.0	0.0	0.94	0.0	0.0
10	0.0	0.0	0.12	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.12	0.0
11	0.05	0.0	0.29	0.0	0.05	0.0	0.0	0.01	0.0	0.0	0.0	0.0
12	0.0	0.11	0.0	0.34	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.08
13	0.0	0.06	0.0	0.0	0.40	0.0	0.82	0.25	0.0	0.0	0.0	0.0
14	0.0	0.17	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0	0.24	0.0
15	0.0	0.0	0.0	0.0	0.10	0.14	0.02	0.76	0.05	0.0	1.24	0.0
16	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.18	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0
18	1.55	0.0	0.23	0.73	0.0	0.0	0.77	0.0	0.0	0.0	0.0	0.19
19	0.10	0.0	0.84	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.03	0.0	0.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.17	0.27	0.0	0.19	0.42	0.0	0.0	0.0	0.0	0.04	0.0	0.25
22	0.06	0.12	0.05	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.09	0.0	0.0	0.0
25	0.0	0.0	0.0	0.01	1.21	0.05	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.35	0.0
27	0.38	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.59
28	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.23	0.0
29	0.07	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.15		0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.09	0.0
31	0.0		0.0		0.67		0.10	0.03		0.0		0.0
TOTAL	2.59	1.24	2.12	2.27	4.61	2.48	4.03	1.26	3.35	2.30	4.34	1.11
STA AV	1.34	0.67	2.05	4.37	4.48	2.31	2.82	1.34	4.36	2.59	2.33	1.11

Gaging: Thiessen weighted average of 17 rain gages.
Station Averages: 2 yr beginning 1967.

1969 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.42	0.58	0.0	0.03	0.0
3	0.0	0.0	0.04	0.0	1.86	0.0	0.0	0.0	0.06	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.10	0.0	0.0	0.0	0.0
5	0.0	0.0	0.16	0.0	0.33	0.0	0.0	0.0	0.0	0.13	0.0	0.85
6	0.0	0.0	0.0	0.0	2.12	0.0	0.0	0.0	0.0	0.28	0.0	0.02
7	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0
11	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.15	0.01	0.0	0.0
12	0.0	0.0	0.0	0.05	0.47	0.01	0.0	0.0	0.0	0.41	0.0	0.0
13	0.0	0.50	0.0	0.10	0.0	1.13	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	1.11	0.08	0.0	0.01	1.90	0.0	0.0	0.07	0.0	0.0	0.0
15	0.0	0.03	0.02	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.39	0.30	0.0	0.0	0.0	1.23	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0
19	0.01	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.62	0.0	0.0	0.0	0.0	2.65	0.0	0.0	0.01	0.0	0.10
21	0.0	0.27	0.0	0.0	0.0	0.0	0.06	0.0	0.79	0.03	0.0	0.0
22	0.0	0.0	0.32	0.0	0.0	0.0	0.09	0.65	0.91	0.06	0.0	0.0
23	0.0	0.05	1.04	0.14	0.0	0.0	0.0	0.06	0.0	0.18	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.01	0.54	0.99	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.51	0.0	0.0	0.01	0.0	0.0	0.0	0.39	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.07	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.47
29	0.72		0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.25	0.0	0.30
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.05
31	0.07		0.0		0.0		0.11	0.0		0.0		0.0
TOTAL	0.80	2.60	2.14	1.19	5.54	3.72	3.46	2.62	3.79	1.46	0.42	1.79
STA AV	1.16	1.31	2.08	3.31	4.83	2.78	3.03	1.77	4.17	2.21	1.69	1.34

Gaging: Thiessen weighted average of 17 rain gages.
Station Averages: 3 yr beginning 1967.

1970 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.15	0.0	0.11	0.0	0.0	0.03	0.04	0.19	0.0
2	0.0	0.0	0.01	0.0	0.0	0.05	0.0	0.0	0.05	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.29	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.07	0.0	0.0
6	0.0	0.0	0.59	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0
7	0.0	0.01	0.22	0.0	0.0	0.0	0.0	0.0	0.06	0.53	0.0	0.0
8	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.13	0.04	0.0	0.08	0.0	0.0	0.0
12	0.0	0.0	0.02	0.0	0.0	0.0	0.57	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.64	0.0	0.91	0.0
14	0.0	0.0	0.0	0.0	1.71	0.0	0.0	0.0	0.72	0.0	0.01	0.0
15	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.25
16	0.0	0.0	0.52	0.24	0.0	0.0	0.0	0.0	0.37	0.04	0.0	0.0
17	0.09	0.0	0.01	0.02	0.0	0.0	0.0	0.0	0.43	0.15	0.0	0.0
18	0.01	0.0	0.02	0.15	0.0	0.0	0.0	0.96	0.0	0.0	0.0	0.0
19	0.0	0.0	0.14	0.0	0.0	0.0	0.0	1.07	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.08	0.36	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.10
22	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.14	5.17	0.53	0.0	0.0
23	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.03	0.0	0.0
24	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
26	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.06	0.01	0.0	0.0
27	0.0	0.12	0.0	0.0	0.16	0.0	0.01	0.0	0.0	0.0	0.0	0.0
28	0.0	0.17	0.59	0.0	0.01	0.0	0.14	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.32	1.66	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.03	0.99	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.06		0.0	0.0		0.0		0.0
TOTAL	0.10	0.77	2.21	2.20	3.87	1.15	1.34	2.18	7.71	3.01	1.11	0.35
STA AV	0.90	1.18	2.11	3.03	4.59	2.37	2.61	1.87	5.05	2.41	1.55	1.09

Gaging: Thiesser weighted average of 17 rain gages.
Station Averages: 4 yr beginning 1967.

1971 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.89	0.0	0.0	0.0	0.0	0.03
2	0.15	0.0	0.06	0.0	0.0	1.07	0.01	0.0	0.0	3.35	0.0	0.54
3	0.45	0.0	0.0	0.0	0.02	0.73	0.0	0.0	0.0	0.17	0.0	0.11
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.07	0.0	0.0	0.0
7	0.0	0.03	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.91	0.0	0.06	0.04	0.40
9	0.0	0.0	0.0	0.0	0.71	0.23	0.03	0.0	0.01	0.0	0.0	0.16
10	0.0	0.0	0.0	0.0	0.01	0.35	0.0	0.02	0.0	0.0	0.0	0.19
11	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.72	0.0	0.08	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.27	0.0	0.0	0.0	1.28
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	1.33	0.02	0.14	0.0
18	0.0	0.19	0.0	0.0	0.12	0.0	0.0	0.0	2.12	0.51	0.0	0.0
19	0.0	0.0	0.0	0.19	0.0	0.0	0.01	0.0	0.09	0.62	0.0	0.0
20	0.0	0.0	0.0	0.10	0.0	0.22	0.0	0.0	0.0	0.11	0.0	0.0
21	0.0	1.46	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.04	0.0	0.0	0.15	0.0	0.0	0.0	0.33	0.0
23	0.0	0.0	0.0	0.0	1.13	0.0	0.91	0.0	0.26	0.0	0.05	0.0
24	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	1.86	0.0	0.0	0.0
25	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0
26	0.0	0.0	0.0	0.05	0.79	0.0	0.0	0.0	0.0	0.75	0.0	0.0
27	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.02	0.0	0.0	0.0	0.03	0.73	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.19	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.40
30	0.0		0.0	0.0	0.30	0.01	0.0	0.0	0.0	0.03	0.05	0.0
31	0.0		0.0		0.81		0.0	0.0		0.0		0.0
TOTAL	0.60	1.77	0.18	0.80	4.08	4.81	2.73	3.42	5.90	5.62	0.61	3.30
STA AV	0.84	1.29	1.72	2.59	4.49	2.86	2.63	2.18	5.22	3.05	1.36	1.53

Gaging: Thiesser weighted average of 17 rain gages.
Station Averages: 5 yr beginning 1967.

1972	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA		WATERSHED 5141 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.04	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0
2	0.0	0.05	0.0	0.0	0.0	0.0	0.87	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.04	0.0	0.14	0.0	0.25	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
6	0.0	0.0	0.0	0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.08	0.0
7	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.02	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.47	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
10	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.44	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.15
12	0.0	0.0	0.0	0.0	1.81	0.04	0.0	0.02	0.0	0.0	0.86	0.05
13	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.28	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.03	0.0	0.0
15	0.0	0.0	0.0	1.09	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.02
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.13	0.77	0.0
19	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.66	1.26	0.0	0.0	0.0	0.0	0.0	0.17	0.03	0.19
21	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.13	0.15	3.20	0.17	0.0
22	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.08	0.0	0.13	0.0	0.0
23	0.0	0.0	0.26	0.0	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.46	0.0	0.0	0.25	0.0
25	0.0	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.02	0.0
26	0.06	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
27	0.07	0.0	0.0	0.92	0.01	0.28	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01	0.0	0.0	0.0
29	0.0	0.0	0.0	0.06	0.72	0.0	0.0	0.0	0.0	0.0	0.0	0.27
30	0.0		0.0	0.30	0.0	0.0	0.0	0.01	0.0	2.48	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		2.17		0.0
TOTAL	0.17	0.63	0.92	4.22	3.17	0.98	1.40	1.54	0.90	8.41	2.41	0.71
STA AV	0.73	1.18	1.59	2.86	4.27	2.55	2.43	2.07	4.50	3.95	1.54	1.40

Gaging: Thiesser weighted average of 17 rain gages.
Station Averages: 6 yr beginning 1967.

1973	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA		WATERSHED 5141 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.10	0.0	0.0	0.60	0.0	0.0	0.46	0.0	0.0	0.0
2	0.42	0.0	0.0	0.36	0.0	1.79	0.0	0.0	0.0	0.0	0.0	0.0
3	0.72	0.0	0.18	0.05	0.0	0.0	0.0	0.0	0.45	0.24	0.0	0.09
4	0.0	0.0	0.0	0.0	0.0	1.32	0.0	0.0	0.15	0.39	0.0	0.0
5	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.68	0.22	0.0	0.0
6	0.33	0.0	1.08	0.0	0.71	0.0	0.0	0.0	1.46	0.11	0.06	0.0
7	0.16	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.01	0.0
8	0.0	0.0	0.13	0.39	0.0	0.0	0.0	0.0	0.21	0.0	0.02	0.0
9	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.52	0.0	0.0	0.0	0.0
10	0.0	0.0	0.98	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.92	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.47	0.0	0.0
13	0.0	0.0	0.20	0.16	0.0	0.11	0.30	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.04	0.0	0.12	0.02	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.67	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.0
18	0.0	0.04	0.0	0.0	0.0	0.55	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.45	0.0	0.55	0.0	0.0	0.0	0.0	1.97	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.0	0.0	0.08	0.0
21	0.67	0.0	0.0	0.0	0.03	0.0	0.19	0.0	0.0	0.0	0.0	0.0
22	0.0	0.17	0.02	0.27	1.66	0.0	1.41	0.0	0.18	0.0	0.0	0.0
23	0.0	0.0	1.80	0.0	0.15	0.0	0.02	0.0	0.0	0.0	0.01	0.0
24	0.0	0.0	1.02	0.01	3.22	0.0	0.0	0.0	0.01	0.0	1.24	0.0
25	0.55	0.15	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.73	0.53	0.0	0.0
27	0.03	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.55	0.30	0.09	0.0
28	0.0	0.0	0.0	0.0	0.0	0.21	0.06	0.0	0.0	0.0	0.0	0.0
29	0.0		0.12	0.0	0.0	0.13	0.0	0.01	0.0	0.0	0.0	0.0
30	0.0		0.15	0.0	0.65	0.0	0.79	0.0	0.0	0.0	0.0	0.0
31	0.23		0.0		1.52		0.0	0.0		0.0		0.0
TOTAL	3.37	0.68	5.98	2.53	7.96	6.30	3.84	1.33	7.43	3.18	3.48	0.09
STA AV	1.10	1.11	2.22	2.81	4.80	3.08	2.63	1.97	4.92	3.84	1.81	1.21

Gaging: Thiesser weighted average of 17 rain gages.
Station Averages: 7 yr beginning 1967.

1974 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.02	0.0	0.0	0.0	1.38	0.0	0.0	0.22	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.89	0.0	0.15	0.0
3	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.05	0.0	0.0	0.75	0.0
4	0.0	0.0	0.0	0.0	0.0	0.05	0.23	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.10
6	0.0	0.0	0.0	0.0	0.0	0.63	0.0	0.07	0.0	0.12	0.0	0.01
7	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.09	0.05	0.0
8	0.0	0.0	0.18	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
9	0.11	0.0	0.05	0.0	0.0	0.0	0.0	1.58	0.0	0.0	0.38	0.0
10	0.0	0.0	1.10	0.01	0.0	0.0	0.0	2.08	0.0	0.0	0.25	0.80
11	0.0	0.0	0.0	1.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.23	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.06	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.12	0.0	0.0
15	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.92	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.01	0.0	0.0	0.0
18	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.02	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0
20	0.0	0.81	0.37	0.01	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0
21	0.0	0.67	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	1.16	0.87	0.0	0.0
25	0.0	0.0	0.0	0.0	0.99	0.0	0.0	0.0	0.18	0.41	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.08	0.0	0.0
27	0.01	0.0	0.0	0.02	0.0	0.0	0.0	0.55	0.0	0.10	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.02	0.0	0.0
29	0.0		0.0	3.10	0.0	0.0	0.29	0.0	0.0	0.0	0.08	0.0
30	0.0		0.0	0.06	0.0	0.0	0.0	0.0	0.0	2.02	0.0	0.15
31	0.0		0.0		0.64		0.0	0.0		0.26		0.24
TOTAL	0.16	1.81	1.81	4.65	3.22	1.03	0.52	4.78	3.86	5.38	1.66	1.53
STA AV	0.99	1.20	2.17	3.04	4.60	2.83	2.37	2.32	4.79	4.03	1.79	1.25

Gaging: Thiesser weighted average of 17 rain gages.
Station Averages: 8 yr beginning 1967.

1975 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.10	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0
2	0.85	0.32	0.0	0.0	0.55	0.0	0.0	0.38	0.0	0.0	0.19	0.0
3	0.0	0.30	0.0	0.0	0.01	0.0	0.28	0.0	0.0	0.0	0.01	0.0
4	0.0	0.09	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.0
5	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.20	0.06
6	0.0	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.04	0.0
7	0.0	0.0	0.0	0.73	0.0	0.14	0.38	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.34	0.0	0.0	0.18	0.02	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.01	1.11	0.59	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.17	0.0	0.07	0.0	0.01	0.0	0.57	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.0	0.0	0.0
13	0.0	0.0	0.0	0.40	1.11	0.0	0.0	0.0	0.41	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.33	0.23	0.14	0.0	0.0
15	0.0	0.09	0.12	0.0	0.0	0.0	0.0	0.06	0.02	0.73	0.0	0.0
16	0.0	0.46	0.01	0.0	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.09	0.03	0.0	0.50	0.0	0.40	0.06	0.0	0.0	0.0
18	0.0	0.0	0.28	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.40	0.0	0.07	0.0	0.0	0.0	0.66	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.10	0.0	0.0	0.0
22	0.0	0.64	0.0	0.01	3.58	0.85	0.0	0.0	0.0	0.0	0.0	0.02
23	0.0	0.0	0.0	0.0	0.62	0.78	0.0	0.0	0.0	0.0	0.0	0.08
24	0.04	0.0	0.0	0.0	0.0	0.0	1.71	0.0	0.0	0.0	0.0	0.59
25	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.19
26	0.0	0.0	0.13	0.0	0.0	0.0	0.58	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.66	0.31	0.11	0.0	0.02	0.08	0.0	0.0	0.0	0.0
28	0.0	0.0	0.17	0.0	0.84	0.0	0.34	0.0	0.0	0.0	0.0	0.08
29	0.0		0.0	1.20	0.57	0.0	0.01	0.0	0.0	0.0	0.04	0.08
30	0.85		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.12		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.96	2.15	1.97	2.71	8.23	5.05	4.10	1.25	1.88	1.04	1.14	1.10
STA AV	1.09	1.30	2.14	3.00	5.00	3.07	2.56	2.20	4.46	3.70	1.72	1.23

Gaging: Thiesser weighted average of 14 rain gages.
Station Averages: 9 yr beginning 1967.

1976	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 5141 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0
4	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01	0.0	0.09	0.0	0.0
5	0.0	0.32	0.0	0.0	0.26	0.0	0.0	0.91	0.0	0.10	0.0	0.42
6	0.0	0.0	0.0	0.0	0.01	0.04	0.0	0.20	0.0	0.0	0.0	0.13
7	0.0	0.0	1.05	0.31	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0
8	0.0	0.0	1.03	0.0	0.0	0.0	0.0	0.0	0.49	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.05	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.12	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.11	0.0
12	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	1.23	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.63	0.0	0.0	0.80	0.0	0.03	0.0
14	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0.0	0.01	0.0	0.02	0.0
15	0.0	0.0	0.0	0.77	0.0	0.0	2.90	0.0	0.0	0.02	0.0	0.0
16	0.0	0.0	0.0	0.17	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
18	0.0	0.0	0.0	0.03	0.0	0.22	0.0	0.0	0.0	0.03	0.0	0.0
19	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.0
20	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.37	0.01	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.03	0.75	0.0	0.13	0.0	0.15	0.0	0.0
24	0.0	0.0	0.01	0.0	0.0	1.05	0.0	0.01	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.07	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.04	0.0	0.0
28	0.0	0.0	0.14	0.92	0.0	0.0	0.69	0.0	0.0	0.01	0.0	0.0
29	0.0	0.0	0.27	0.0	0.0	0.0	0.0	0.01	0.0	1.48	0.0	0.0
30	0.0		0.0	0.12	0.07	0.0	0.0	0.0	0.0	0.03	0.0	0.0
31	0.0		0.0		0.12		0.0	0.26		0.0		0.0
TOTAL	0.0	0.32	2.79	3.56	1.58	2.70	3.80	1.53	2.74	2.22	0.16	0.55
STA AV	0.98	1.21	2.21	3.06	4.66	3.04	2.68	2.13	4.29	3.55	1.57	1.16

Gaging: Thiesser weighted average of 14 rain gages.
Station Averages: 10 yr beginning 1967.

1977	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 5141 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.01	0.22	0.0	0.44	0.07	0.0	0.0	0.03	0.03
2	0.0	0.01	0.15	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.05	0.0
3	0.0	0.05	0.0	0.0	0.86	0.0	0.0	0.0	0.0	0.0	0.02	0.0
4	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.02	0.51	0.0	0.05
5	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.13	0.02	0.0	0.0
6	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
8	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70	0.0
9	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0
10	0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
11	0.0	1.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.08	0.02	0.0	0.0	0.0	0.01	0.0	0.0	0.23	0.0	0.0	0.01
13	0.05	0.0	0.0	0.01	0.43	0.0	0.0	0.02	0.75	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.42	0.35	0.0	0.02	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.20	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	2.57	0.0	0.0	0.55	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	1.67	2.20	0.0	0.0	0.0	0.01	0.0	0.0	0.0
21	0.0	0.0	0.0	0.01	0.03	0.0	0.09	0.0	0.0	0.0	0.0	0.0
22	0.01	0.07	0.0	0.04	0.0	0.21	0.0	0.0	0.0	0.53	0.0	0.0
23	0.04	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.02	0.35	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.14	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.11	0.35	0.0	0.76	0.17	0.01	0.0	0.0	0.0	0.0	0.0
27	0.0	0.01	0.52	0.0	0.43	0.0	0.36	0.01	0.0	0.0	0.0	0.0
28	0.0	0.0	0.01	0.0	0.0	1.09	0.01	0.0	0.01	0.0	0.07	0.0
29	0.0		0.0	0.20	0.0	0.01	0.07	0.40	0.01	0.0	0.0	0.07
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0
31	0.0		0.0		0.31		0.04	0.0		0.0		0.0
TOTAL	0.50	1.59	1.35	2.59	5.70	2.44	1.05	1.20	1.18	1.47	1.04	0.16
STA AV	0.94	1.24	2.13	3.02	5.12	2.98	2.53	2.05	4.01	3.36	1.52	1.07

Gaging: Thiesser weighted average of 14 rain gages.
Station Averages: 11 yr beginning 1967.

1968	MEAN DAILY DISCHARGE (CFS)					CHICKASHA, OKLAHOMA	WATERSHED 5141 NEAR MIDDLEBURG				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.33	0.53	0.33	0.75	0.49	5.05	7.97	0.11	0.05	0.09	0.26	0.47
2	0.36	0.36	0.30	0.90	0.46	1.48	1.87	0.08	0.04	0.08	0.44	0.49
3	0.36	0.33	0.26	0.71	0.46	0.85	0.49	0.12	0.13	0.06	0.48	0.46
4	0.33	0.33	0.28	0.53	0.42	0.71	0.42	0.04	15.51	0.07	0.49	0.42
5	0.36	0.33	0.33	0.49	0.42	1.17	0.36	0.03	0.46	1.68	0.28	0.42
6	0.33	0.36	0.33	0.53	0.47	1.36	0.36	0.03	0.21	0.35	0.28	0.39
7	0.26	0.33	0.33	0.53	1.95	0.42	0.33	0.02	0.17	0.19	0.28	0.46
8	0.28	0.33	0.33	0.53	0.62	1.35	0.30	0.01	0.14	0.19	0.28	0.36
9	0.30	0.33	0.33	0.49	1.87	0.71	0.21	0.01	0.12	4.21	0.28	0.39
10	0.33	0.33	0.33	0.49	1.19	0.53	0.16	0.01	0.12	0.40	0.30	0.46
11	0.39	0.33	0.43	0.49	0.80	0.49	0.12	0.02	0.16	0.33	0.30	0.42
12	0.39	0.33	0.66	0.64	0.75	0.39	0.11	0.03	0.16	0.30	0.30	0.42
13	0.36	0.42	0.60	0.75	1.46	0.33	1.40	0.02	0.11	0.28	0.33	0.46
14	0.33	0.46	0.76	0.53	1.31	0.28	0.83	0.12	0.11	0.23	0.33	0.33
15	0.33	0.46	0.46	0.49	0.80	0.26	0.52	0.50	0.08	0.23	3.31	0.33
16	0.33	0.42	0.36	0.53	0.62	1.83	0.30	0.16	0.17	0.26	0.71	0.39
17	0.39	0.39	0.33	0.53	0.57	0.70	0.17	0.09	0.17	0.28	0.42	0.39
18	1.58	0.39	0.36	0.59	0.53	0.49	3.52	0.04	0.14	0.21	0.39	0.46
19	1.32	0.36	11.17	1.95	0.46	0.42	0.50	0.02	0.09	0.21	0.39	0.39
20	0.66	0.36	2.22	0.85	0.42	0.39	0.30	0.01	0.08	0.21	0.39	0.36
21	0.66	0.36	2.24	0.80	0.66	0.39	0.23	0.0	0.08	0.23	0.39	0.42
22	0.62	0.36	1.67	1.88	0.80	0.39	0.21	0.0	0.09	0.26	0.39	0.49
23	0.46	0.36	1.02	0.74	0.62	0.36	0.19	0.0	0.22	0.23	0.36	0.36
24	0.46	0.36	0.91	0.62	0.49	0.36	0.16	0.01	0.37	0.26	0.33	0.36
25	0.42	0.36	0.85	0.57	8.39	0.39	0.14	0.02	0.21	0.26	0.33	0.39
26	0.42	0.39	0.80	0.53	1.71	0.39	0.14	0.01	0.14	0.26	2.82	0.39
27	0.67	0.42	0.75	0.53	1.02	0.36	0.11	0.0	0.12	0.21	1.75	0.68
28	0.57	0.63	0.71	0.49	0.72	0.33	0.09	0.01	0.09	0.21	1.82	0.57
29	0.49	0.36	0.71	0.49	0.49	0.28	0.14	0.02	0.09	0.21	0.80	0.49
30	1.14		0.71	0.49	0.46	0.21	0.11	0.02	0.09	0.23	0.62	0.42
31	0.53		0.66		1.48		0.09	0.03		0.23		0.30
MEAN	0.5083	0.3820	1.0168	0.6781	1.0614	0.5560	0.7045	0.0514	0.6573	0.4014	0.6552	0.4216
INCHES	0.092	0.065	0.185	0.119	0.193	0.168	0.128	0.009	0.115	0.073	0.119	0.077
STA AV	0.070	0.052	0.114	0.486	0.172	0.100	0.070	0.005	0.101	0.063	0.076	0.064

Station Averages: 2 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.005857.

1969	MEAN DAILY DISCHARGE (CFS)					CHICKASHA, OKLAHOMA	WATERSHED 5141 NEAR MIDDLEBURG				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.28	0.46	0.57	0.85	0.61	2.61	0.42	0.28	0.21	0.30	0.46	0.53
2	0.30	0.39	0.75	0.80	0.61	1.19	0.39	0.50	0.59	0.30	0.46	0.53
3	0.28	0.33	1.01	0.80	13.82	1.13	0.33	0.42	0.42	0.30	0.46	0.53
4	0.26	0.30	0.75	0.80	4.62	1.26	0.30	0.33	0.36	0.30	0.42	0.49
5	0.26	0.28	0.80	0.75	5.00	1.19	0.26	0.42	0.23	0.36	0.46	0.73
6	0.28	0.33	0.80	0.70	65.30	1.13	0.23	0.35	0.21	0.49	0.46	1.12
7	0.28	0.36	0.75	0.75	19.36	1.07	0.21	0.26	0.21	0.46	0.46	0.61
8	0.33	0.33	0.70	0.75	5.19	1.01	0.17	0.21	0.17	0.39	0.46	0.53
9	0.36	0.33	0.61	0.70	3.37	1.01	0.16	0.17	0.17	0.33	0.46	0.53
10	0.39	0.33	0.61	0.70	2.91	1.01	0.16	0.25	0.24	0.33	0.56	0.53
11	0.42	0.33	0.61	0.66	2.49	0.96	0.16	0.13	0.31	0.33	0.58	0.53
12	0.49	0.33	0.61	0.70	4.74	0.90	0.14	0.12	0.28	0.58	0.53	0.49
13	0.37	0.35	0.61	0.80	2.70	1.25	0.12	0.09	0.23	0.46	0.53	0.53
14	0.30	2.20	0.66	0.80	2.39	45.70	0.11	0.08	0.19	0.42	0.49	0.53
15	0.33	1.62	0.75	0.82	2.21	3.54	0.09	0.26	0.26	0.42	0.57	0.53
16	0.33	0.66	0.66	0.74	2.30	2.21	0.07	0.22	2.01	0.42	0.53	0.53
17	0.33	0.57	0.61	1.14	2.73	1.77	0.07	0.16	0.57	0.39	0.53	0.53
18	0.33	0.53	0.61	0.75	2.21	1.69	0.07	0.12	0.42	0.39	0.63	0.53
19	0.33	0.46	0.61	0.66	2.03	1.40	0.07	0.12	0.42	0.39	0.53	0.49
20	0.36	1.44	0.61	0.61	1.77	1.19	4.21	0.09	0.42	0.42	0.53	0.53
21	0.36	1.43	0.53	0.61	1.62	1.07	19.25	0.08	0.66	0.39	0.53	0.53
22	0.33	1.01	0.59	0.61	1.69	0.96	1.20	0.08	1.44	0.39	0.53	0.49
23	0.30	0.75	4.23	0.66	1.69	0.90	0.59	0.56	2.99	0.53	0.53	0.49
24	0.28	0.70	1.42	0.70	1.62	0.85	0.42	0.23	0.74	0.46	0.49	0.46
25	0.30	0.70	0.96	0.66	1.54	0.85	0.72	1.27	0.53	0.46	0.46	0.46
26	0.30	0.66	0.90	1.58	1.40	0.80	0.72	0.59	0.49	0.42	0.70	0.46
27	0.33	0.61	0.90	1.45	1.47	0.70	0.42	0.46	0.46	0.42	0.66	0.46
28	0.33	0.57	0.85	0.70	1.54	0.70	0.36	0.33	0.42	0.39	0.53	0.46
29	0.85		0.80	0.66	1.47	0.53	0.30	0.30	0.36	0.46	0.53	0.46
30	0.57		0.80	0.61	1.33	0.46	0.28	0.26	0.33	0.53	0.53	0.46
31	0.46		0.85		1.33		0.30	0.23		0.46		0.46
MEAN	0.3553	0.6561	0.8554	0.7841	5.2596	2.7014	1.0415	0.2894	0.5447	0.4093	0.5201	0.5336
INCHES	0.065	0.108	0.155	0.138	0.955	0.475	0.189	0.053	0.096	0.074	0.091	0.097
STA AV	0.066	0.071	0.128	0.370	0.433	0.225	0.110	0.021	0.099	0.067	0.081	0.075

Station Averages: 3 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.005857.

1970	MEAN DAILY DISCHARGE (CFS)					CHICKASHA, OKLAHOMA	WATERSHED 5141 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.57	0.49	0.61	0.61	0.74	0.61	0.11	0.05	0.03	0.26	0.42	0.39
2	0.57	0.46	0.53	0.61	0.57	0.49	0.11	0.05	0.03	0.26	0.42	0.39
3	0.57	0.46	0.53	0.53	0.49	0.61	0.09	0.04	0.02	0.21	0.36	0.39
4	0.57	0.46	0.49	0.61	0.46	0.90	0.08	0.03	0.02	0.19	0.36	0.39
5	0.57	0.49	0.49	0.66	0.46	0.61	0.08	0.04	0.01	4.33	0.36	0.36
6	0.57	0.49	0.85	0.52	0.42	0.49	0.08	0.03	0.01	0.90	0.39	0.36
7	0.57	0.49	0.80	0.53	0.39	0.42	0.08	0.03	0.01	2.62	0.39	0.36
8	0.57	0.49	0.66	0.46	0.36	0.36	0.07	0.02	0.01	5.34	0.36	0.39
9	0.57	0.46	0.57	0.46	0.39	0.33	0.11	0.02	0.01	1.46	0.37	0.42
10	0.57	0.46	0.53	0.46	0.36	0.30	0.12	0.03	0.0	0.61	0.49	0.42
11	0.57	0.46	0.53	0.46	0.36	0.36	0.11	0.04	0.02	0.42	0.33	0.39
12	0.57	0.49	0.49	0.46	0.33	0.39	0.20	0.04	0.02	0.36	0.33	0.36
13	0.61	0.49	0.49	0.39	0.36	0.33	0.14	0.05	0.04	0.36	0.87	0.39
14	0.57	0.53	0.39	0.42	7.46	0.30	0.12	0.03	0.15	0.33	0.61	0.39
15	0.61	0.49	0.33	0.46	4.71	0.28	0.12	0.03	0.03	0.33	0.42	0.49
16	0.66	0.46	0.39	0.49	0.86	0.23	0.12	0.03	0.05	0.33	0.39	0.49
17	0.61	0.46	1.30	0.61	0.61	0.21	0.14	0.03	0.07	0.49	0.39	0.42
18	0.53	0.46	0.57	0.61	0.46	0.19	0.14	0.03	0.06	0.39	0.39	0.42
19	0.49	0.46	0.28	0.61	0.39	0.19	0.14	2.16	0.05	0.39	0.40	0.39
20	0.49	0.46	0.90	0.49	0.36	0.19	0.16	0.21	0.05	0.36	0.36	0.39
21	0.46	0.46	0.66	0.46	0.36	0.19	0.16	0.16	0.04	0.36	0.36	0.46
22	0.49	0.53	0.57	0.46	0.33	0.19	0.14	0.16	61.99	1.25	0.30	0.46
23	0.53	0.48	0.49	0.46	0.33	0.19	0.12	0.17	13.04	0.89	0.28	0.39
24	0.57	0.26	0.49	0.49	0.33	0.19	0.11	0.14	1.20	0.42	0.33	0.39
25	0.57	0.97	0.36	0.49	0.33	0.19	0.09	0.11	0.66	0.36	0.36	0.39
26	0.53	0.53	0.50	0.49	0.33	0.17	0.09	0.11	0.49	0.39	0.39	0.42
27	0.49	0.53	0.53	0.49	0.39	0.14	0.08	0.09	0.39	0.33	0.36	0.42
28	0.53	0.70	0.90	0.49	0.49	0.14	0.09	0.06	0.36	0.40	0.36	0.42
29	0.49		0.66	0.56	13.73	0.12	0.08	0.05	0.30	0.36	0.39	0.42
30	0.46		0.61	2.48	2.15	0.11	0.06	0.04	0.28	0.36	0.42	0.42
31	0.46		0.57		0.90		0.05	0.03		0.33		0.42
MEAN	0.5481	0.4991	0.5827	0.5775	1.2973	0.3141	0.1094	0.1328	2.6479	0.8194	0.3988	0.4068
INCHES	0.100	0.082	0.106	0.101	0.236	0.055	0.020	0.024	0.465	0.149	0.070	0.074
STA AV	0.076	0.074	0.122	0.303	0.384	0.182	0.087	0.022	0.191	0.087	0.078	0.075

Station Averages: 4 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.005857.

1971	MEAN DAILY DISCHARGE (CFS)					CHICKASHA, OKLAHOMA	WATERSHED 5141 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.42	0.33	0.42	0.30	0.30	2.95	0.90	0.07	0.08	0.38	0.44	0.41
2	0.46	0.36	0.39	0.30	0.28	4.43	1.96	0.08	0.08	64.25	0.41	0.61
3	0.84	0.42	0.42	0.33	0.26	22.87	0.35	0.07	0.08	17.42	0.36	0.73
4	0.39	0.46	0.42	0.30	0.28	1.55	0.16	0.06	0.08	1.74	0.38	0.64
5	0.33	0.39	0.42	0.33	0.26	0.80	0.14	0.05	0.07	1.18	0.38	0.64
6	0.30	0.36	0.36	0.33	0.26	0.45	0.22	0.10	0.07	0.83	0.38	0.56
7	0.30	0.33	0.36	0.33	0.23	1.31	0.07	0.09	0.07	0.64	0.38	0.52
8	0.33	0.33	0.39	0.33	0.23	3.19	0.06	1.41	0.06	0.60	0.44	0.81
9	0.36	0.36	0.39	0.33	0.75	0.69	0.08	0.28	0.06	0.52	0.41	0.75
10	0.46	0.42	0.39	0.33	0.39	0.42	0.06	0.12	0.05	0.48	0.41	0.92
11	0.46	0.42	0.39	0.33	0.30	0.85	0.05	0.09	0.05	0.48	0.41	0.60
12	0.46	0.42	0.39	0.33	0.26	5.67	0.04	0.08	0.04	0.44	0.41	0.56
13	0.46	0.39	0.39	0.30	0.23	0.74	0.04	0.95	0.05	0.38	0.44	0.48
14	0.46	0.42	0.36	0.30	0.23	0.56	0.04	2.98	0.06	0.41	0.44	17.59
15	0.42	0.39	0.30	0.33	0.23	0.36	0.04	0.71	0.06	0.41	0.41	6.73
16	0.46	0.36	0.33	0.39	0.21	0.28	0.04	1.78	0.07	0.38	0.41	1.33
17	0.46	0.73	0.33	0.49	0.19	0.23	0.04	0.36	0.26	0.36	0.44	0.94
18	0.46	0.51	0.30	0.42	0.23	0.19	0.04	0.21	19.23	0.69	0.44	0.78
19	0.39	0.49	0.28	0.43	0.19	0.17	0.03	0.17	1.12	1.11	0.41	0.78
20	0.39	0.39	0.30	0.49	0.19	0.21	0.02	0.16	0.84	1.45	0.41	0.69
21	0.39	2.45	0.33	0.36	0.19	0.62	0.03	0.14	0.60	0.82	0.41	0.69
22	0.42	0.66	0.33	0.36	0.21	0.30	0.03	0.14	0.41	0.56	0.48	0.64
23	0.39	0.61	0.33	0.39	4.08	0.23	1.53	0.12	0.30	0.48	0.60	0.64
24	0.42	0.53	0.36	0.33	0.42	0.17	0.30	0.14	18.60	0.48	0.48	0.64
25	0.42	0.57	0.46	0.33	0.26	0.14	0.09	0.14	2.21	0.44	0.44	0.64
26	0.39	0.46	0.39	0.30	0.29	0.12	0.08	0.12	0.79	1.13	0.41	0.64
27	0.36	0.39	0.39	0.28	1.05	0.11	0.08	0.11	0.60	1.22	0.41	0.69
28	0.36	0.42	0.36	0.26	0.30	0.12	0.54	0.11	0.56	0.60	0.41	0.64
29	0.39		0.33	0.39	0.28	0.12	0.14	0.11	0.52	0.56	0.38	1.39
30	0.39		0.33	0.36	0.40	0.12	0.09	0.11	0.45	0.48	0.41	1.44
31	0.33		0.33		1.86		0.09	0.09		0.44		0.83
MEAN	0.4153	0.5133	0.3635	0.3461	0.4788	1.6656	0.2380	0.3592	1.5841	3.2695	0.4220	1.4820
INCHES	0.075	0.084	0.066	0.061	0.087	0.293	0.043	0.065	0.278	0.594	0.074	0.269
STA AV	0.076	0.076	0.111	0.254	0.324	0.204	0.078	0.030	0.208	0.189	0.078	0.113

Station Averages: 5 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.005857.

1972 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.83	0.73	0.73	0.56	0.83	0.52	0.12	0.05	0.07	0.07	4.38	0.52
2	0.78	0.70	0.60	0.56	0.78	0.48	0.51	0.04	0.07	0.06	1.24	0.52
3	0.73	0.64	0.60	0.52	0.73	0.48	0.85	0.03	0.11	0.05	0.78	0.52
4	0.60	0.64	0.56	0.48	0.69	0.52	0.38	0.03	0.17	0.05	0.64	0.48
5	0.64	0.69	0.56	0.52	0.60	0.47	0.30	0.03	0.17	0.05	0.56	0.56
6	0.69	0.69	0.56	0.56	0.88	0.36	0.26	0.03	0.14	0.04	0.56	0.48
7	0.69	0.60	0.56	0.56	0.83	0.36	0.28	0.03	0.12	0.05	0.52	0.48
8	0.78	0.64	0.52	0.48	0.69	0.33	0.30	0.05	0.34	0.07	0.48	0.52
9	0.73	0.60	0.52	0.48	0.64	0.30	0.28	0.16	0.24	0.07	0.44	0.52
10	0.69	0.64	0.56	0.52	0.60	0.30	0.23	0.09	0.16	0.07	0.44	0.48
11	0.64	0.70	0.60	0.52	0.60	0.30	0.23	0.09	0.12	0.09	0.44	0.48
12	0.69	0.78	0.60	0.52	15.09	0.33	0.26	0.07	0.09	0.07	2.86	0.56
13	0.60	0.83	0.56	0.48	2.02	0.36	0.23	0.13	0.08	0.07	3.14	0.52
14	0.54	0.78	0.56	0.48	1.18	0.41	0.19	0.16	0.08	0.07	0.60	0.56
15	0.52	0.69	0.56	3.10	0.94	0.41	0.14	0.11	0.08	0.06	0.52	0.52
16	0.58	0.69	0.56	0.69	0.83	0.38	0.12	0.08	0.09	0.08	0.52	0.52
17	0.69	0.64	0.56	0.60	0.73	0.28	0.09	0.07	0.08	0.08	0.48	0.52
18	0.78	0.60	0.56	0.56	0.69	0.28	0.11	0.06	0.06	0.07	1.39	0.56
19	0.69	0.60	0.52	0.64	0.64	0.26	0.11	0.05	0.05	0.09	0.92	0.60
20	0.64	0.60	1.14	4.53	0.60	0.23	0.09	0.04	0.05	0.11	0.60	0.60
21	0.64	0.64	1.31	0.99	0.60	0.21	0.08	0.03	0.08	2.79	0.60	0.56
22	0.64	0.59	0.64	0.78	0.60	0.23	0.08	0.06	0.08	1.71	0.60	0.60
23	0.64	0.64	0.64	0.69	0.56	0.28	0.08	0.07	0.12	0.30	0.60	0.64
24	0.64	0.64	0.78	0.64	0.56	0.33	0.07	0.07	0.11	0.30	0.69	0.69
25	0.60	0.60	0.64	0.64	0.52	0.26	0.06	0.17	0.09	0.30	0.64	0.69
26	0.60	0.60	0.60	0.64	0.48	0.19	0.05	0.11	0.07	0.30	0.56	0.69
27	0.64	0.60	0.56	11.10	0.44	0.16	0.04	0.07	0.08	0.33	0.56	0.69
28	0.60	0.64	0.56	1.31	0.48	0.21	0.04	0.07	0.07	0.30	0.52	0.69
29	0.64	0.73	0.56	1.05	0.99	0.17	0.06	0.07	0.06	0.30	0.52	0.78
30	0.64		0.56	1.31	0.64	0.14	0.06	0.07	0.06	18.48	0.52	0.98
31	0.64		0.56		0.52		0.05	0.06		33.93		0.73
MEAN	0.6595	0.6609	0.6258	1.2168	1.1930	0.3179	0.1851	0.0723	0.1065	1.9485	0.9110	0.5858
INCHES	0.120	0.112	0.114	0.219	0.217	0.056	0.034	0.013	0.019	0.354	0.160	0.106
STA AV	0.083	0.082	0.112	0.248	0.306	0.180	0.071	0.028	0.177	0.216	0.091	0.112

Station Averages: 6 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.005857.

1973 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.67	1.44	1.23	4.30	3.25	19.27	3.14	1.81	0.96	1.04	1.36	3.02
2	0.54	1.10	1.29	4.44	2.91	108.55	2.80	1.51	1.00	0.91	1.29	2.69
3	2.50	1.04	1.29	5.85	2.80	12.00	2.48	1.64	0.81	0.55	1.29	2.58
4	0.93	1.04	1.44	4.30	2.91	92.74	2.48	1.29	2.82	1.56	1.29	2.28
5	0.72	1.10	1.23	4.02	2.91	34.16	2.38	1.23	1.22	1.04	1.23	2.00
6	0.67	1.04	10.75	4.02	7.50	9.33	2.38	1.16	6.47	1.28	1.23	1.91
7	0.62	1.23	2.18	4.02	4.02	7.71	2.19	1.04	2.33	1.04	1.29	1.83
8	0.62	1.10	1.91	5.16	3.14	6.57	2.09	1.10	1.59	0.92	1.29	1.83
9	0.62	1.04	1.83	4.02	2.91	6.69	2.00	2.23	1.24	0.87	1.29	1.75
10	0.62	1.10	15.05	3.75	2.69	6.03	2.09	1.29	1.10	0.92	1.23	1.66
11	0.62	1.10	4.40	3.75	2.48	5.86	2.38	1.10	1.04	4.07	1.23	1.75
12	0.62	1.16	2.80	3.75	2.28	6.05	1.91	1.04	1.64	2.71	1.29	1.75
13	0.62	1.10	3.05	3.89	2.28	5.36	2.10	0.98	9.53	1.81	1.29	1.75
14	0.76	1.04	2.58	3.63	2.09	5.68	2.56	0.81	1.73	1.13	1.42	1.66
15	0.97	1.04	2.19	10.75	2.08	4.30	1.91	1.13	1.29	1.16	1.23	1.66
16	1.15	1.04	2.09	5.91	2.09	9.39	1.83	2.96	1.10	1.04	1.16	1.59
17	1.02	1.10	2.09	4.30	1.91	6.40	1.75	1.23	1.80	0.98	1.16	1.59
18	0.92	1.23	2.29	4.16	2.00	8.01	1.59	0.98	1.36	0.98	1.16	1.66
19	0.81	1.16	2.28	7.75	2.00	16.62	1.36	0.92	1.23	0.98	20.95	1.47
20	0.81	1.10	2.09	4.44	1.91	5.52	1.43	0.87	1.23	0.98	16.22	1.35
21	3.61	1.04	2.09	4.02	1.83	4.44	4.09	0.87	1.16	1.04	11.49	1.59
22	1.36	1.10	2.19	4.33	2.30	4.16	4.45	0.81	1.26	1.12	7.03	1.59
23	1.04	1.29	12.19	4.59	24.01	3.89	17.76	0.76	1.16	0.92	4.89	1.66
24	0.92	1.16	44.89	4.02	174.43	3.63	2.51	0.72	1.04	1.10	12.24	1.66
25	1.20	1.16	20.65	3.89	22.27	3.50	1.91	0.67	0.81	1.04	10.59	1.59
26	4.63	1.29	6.57	3.75	6.37	3.37	1.75	0.67	5.54	0.99	6.00	1.51
27	1.59	1.16	5.69	3.50	4.30	3.25	1.59	0.67	5.81	4.90	4.89	1.44
28	1.16	1.16	5.69	3.37	3.63	3.66	1.51	0.72	2.01	1.75	4.16	1.44
29	1.10		4.89	3.37	3.02	3.75	1.59	0.76	1.23	1.65	3.75	1.44
30	1.16		5.36	3.50	3.44	3.50	4.10	0.87	1.10	1.59	3.37	1.44
31	1.29		5.04		52.23		3.98	0.72		1.36		1.29
MEAN	1.158	1.131	5.784	4.485	11.419	13.779	2.842	1.115	2.087	1.401	4.277	1.756
INCHES	0.210	0.185	1.050	0.788	2.073	2.421	0.516	0.202	0.367	0.254	0.751	0.319
STA AV	0.101	0.097	0.246	0.325	0.559	0.500	0.135	0.053	0.204	0.222	0.186	0.143

Station Averages: 7 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.005857.

1974	MEAN DAILY DISCHARGE (CFS)					CHICKASHA, OKLAHOMA	WATERSHED 5141 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.10	1.16	1.36	1.23	14.49	0.99	0.42	0.40	0.49	0.60	2.82	0.88
2	1.23	1.10	1.36	1.16	7.14	0.83	0.42	0.45	1.34	0.66	1.87	0.88
3	1.16	1.10	1.36	1.16	2.11	0.83	0.38	0.42	0.56	0.60	5.74	0.83
4	1.23	1.16	1.29	1.10	1.57	0.93	0.60	0.38	0.52	0.60	2.95	0.78
5	1.29	1.16	1.23	1.10	1.57	0.83	0.45	0.38	0.52	0.60	1.57	2.07
6	1.36	1.16	1.16	1.10	1.49	1.74	0.42	0.42	0.52	0.56	1.23	2.40
7	1.29	1.10	1.16	1.10	1.49	2.03	0.38	0.45	0.51	0.64	1.16	2.13
8	1.42	1.10	1.23	1.04	1.42	1.04	0.35	0.38	0.52	0.60	1.16	2.13
9	1.36	1.10	1.36	1.10	1.36	0.83	0.35	1.19	0.49	0.60	1.10	1.96
10	1.36	1.10	5.27	1.10	1.29	0.69	0.32	12.15	0.49	0.60	1.04	2.56
11	1.29	1.10	3.89	5.49	1.23	0.73	0.32	1.46	0.52	0.60	0.99	3.16
12	1.23	1.10	2.49	2.59	1.16	0.69	0.32	0.69	0.45	0.80	0.93	1.07
13	1.29	1.10	2.13	2.13	1.10	0.69	0.32	0.56	0.45	0.64	0.93	1.21
14	1.42	1.10	1.87	1.79	1.10	0.69	0.32	0.52	0.45	0.71	0.93	1.10
15	1.49	1.10	1.72	1.57	0.99	0.64	0.32	0.52	0.57	0.69	0.83	1.04
16	1.49	1.10	1.57	1.42	0.99	0.60	0.35	0.42	1.26	0.64	0.83	0.93
17	1.49	1.04	1.49	1.29	0.93	0.69	0.35	0.45	0.69	0.64	0.83	0.93
18	1.49	1.28	1.49	1.29	0.93	0.64	0.35	0.42	0.60	0.82	0.83	1.04
19	1.42	1.16	1.42	1.29	0.88	0.56	0.35	0.42	0.64	1.36	0.78	0.91
20	1.36	1.21	1.63	1.23	0.88	0.56	0.35	0.38	0.69	1.36	0.78	0.89
21	1.36	6.69	1.64	1.23	0.93	0.52	0.35	0.38	0.69	0.99	0.78	0.88
22	1.29	2.42	1.57	1.16	0.93	0.52	0.32	0.38	0.56	0.69	0.78	0.88
23	1.23	1.96	1.57	1.04	0.83	0.52	0.30	0.38	0.52	0.69	0.78	0.88
24	1.23	1.57	1.49	0.99	0.88	0.52	0.32	0.42	1.06	1.24	0.78	0.99
25	1.23	1.49	1.49	0.99	1.86	0.52	0.32	0.42	1.11	1.29	0.78	0.78
26	1.23	1.42	1.49	0.93	1.42	0.52	0.32	0.42	0.59	1.71	0.78	0.78
27	1.23	1.36	1.49	0.73	0.93	0.49	0.30	0.81	0.69	1.10	0.78	0.78
28	1.23	1.36	1.57	0.64	0.83	0.49	0.27	0.52	0.60	3.03	0.78	0.78
29	1.23		1.42	14.95	0.83	0.45	0.30	0.52	0.60	0.88	1.07	0.88
30	1.16		1.36	10.35	1.04	0.42	0.38	0.52	0.60	12.07	0.88	0.93
31	1.16		1.36		1.73		0.35	0.52		12.77		1.23
MEAN	1.3016	1.4570	1.7072	2.1433	1.8175	0.7400	0.3507	0.8952	0.6430	1.6379	1.2499	1.2480
INCHES	0.236	0.239	0.310	0.377	0.330	0.130	0.064	0.163	0.113	0.297	0.220	0.227
STA AV	0.118	0.114	0.254	0.331	0.530	0.454	0.126	0.066	0.193	0.231	0.190	0.152

Station Averages: 8 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.005857.

1975	MEAN DAILY DISCHARGE (CFS)					CHICKASHA, OKLAHOMA	WATERSHED 5141 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.16	2.29	1.78	4.26	1.76	7.26	5.22	1.22	0.68	0.48	0.82	1.47
2	5.36	2.27	1.78	4.13	2.20	8.42	4.93	1.22	0.68	0.48	0.82	2.97
3	3.29	3.00	1.63	3.88	2.40	8.42	4.52	1.22	0.68	0.48	0.87	2.86
4	1.94	3.93	1.70	4.00	1.48	8.04	3.88	1.22	0.68	0.52	0.87	2.86
5	1.63	2.59	1.78	4.00	1.22	7.85	3.41	1.22	0.68	0.64	0.87	2.60
6	1.33	1.94	1.78	4.00	1.35	7.67	2.42	1.22	0.64	0.73	0.87	0.87
7	1.41	1.70	1.78	5.61	1.22	7.85	1.94	1.22	0.64	0.77	0.87	0.87
8	1.53	1.86	1.56	5.59	1.16	8.42	1.86	1.16	0.59	0.77	0.87	0.77
9	1.28	1.61	2.02	4.13	1.16	8.61	1.78	1.16	0.64	0.77	0.87	0.73
10	1.14	1.41	2.29	4.00	1.16	22.31	1.78	1.10	0.73	0.77	0.87	0.73
11	1.26	1.63	2.29	3.88	1.16	12.85	1.78	1.04	0.73	0.77	0.87	0.68
12	1.21	1.56	2.29	3.76	1.16	9.20	1.41	0.93	0.68	0.77	0.87	0.68
13	0.82	1.63	1.94	4.13	2.98	8.81	1.28	0.93	0.68	0.77	0.87	0.73
14	0.98	1.63	1.70	3.61	3.78	8.61	1.22	0.93	0.68	0.77	0.87	0.73
15	1.10	1.70	1.78	1.56	2.02	8.23	1.16	0.93	0.64	0.89	0.87	0.68
16	1.22	2.29	2.11	1.48	1.35	8.04	1.16	0.87	0.64	0.77	0.87	0.73
17	1.04	2.29	1.94	1.48	1.22	14.40	1.16	0.87	0.64	0.77	0.87	0.73
18	1.10	1.94	2.57	1.48	1.22	9.20	1.16	0.87	0.64	0.77	0.87	0.73
19	1.66	1.70	2.82	1.16	1.28	8.61	1.10	0.87	0.64	0.77	0.82	0.73
20	0.93	1.78	4.65	1.22	1.90	8.81	1.10	0.87	0.59	0.73	0.82	0.73
21	0.98	1.70	4.52	1.22	1.28	8.81	1.10	0.87	0.59	0.68	0.82	0.73
22	1.10	4.31	4.52	1.56	49.51	8.81	1.10	0.87	0.59	0.68	0.82	0.73
23	0.93	2.64	4.39	1.63	51.75	20.25	1.10	0.82	0.55	0.77	0.82	0.73
24	1.10	1.94	4.26	1.48	31.62	14.50	1.55	0.82	0.55	0.77	0.82	0.88
25	1.16	1.94	4.26	1.28	19.54	8.61	1.10	0.82	0.52	0.77	0.77	1.10
26	1.10	1.78	4.26	1.22	7.11	7.49	1.16	0.77	0.52	0.77	0.77	0.87
27	1.16	1.63	6.75	1.34	4.93	7.31	1.16	0.77	0.52	0.77	0.77	0.82
28	1.10	1.78	4.93	1.53	6.06	6.96	1.22	0.77	0.52	0.77	0.77	0.82
29	1.16		4.39	8.64	9.37	6.13	1.22	0.73	0.48	0.77	0.77	0.77
30	1.36		4.26	10.94	9.27	5.36	1.22	0.73	0.48	0.77	0.77	0.82
31	3.11		4.26		6.07		1.22	0.73		0.82		0.77
MEAN	1.4729	2.0883	2.9999	3.2729	7.4089	9.5278	1.8521	0.9603	0.6173	0.7266	0.8367	1.0619
INCHES	0.267	0.342	0.545	0.575	1.345	1.674	0.336	0.174	0.108	0.132	0.147	0.193
STA AV	0.135	0.140	0.286	0.358	0.621	0.589	0.149	0.078	0.183	0.220	0.185	0.157

Station Averages: 9 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.005857.

1976 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.68	0.59	0.64	0.72	0.68	0.44	0.27	0.22	0.29	0.32	0.41	0.44
2	0.68	0.59	0.64	0.68	0.68	0.41	0.27	0.20	0.24	0.29	0.38	0.44
3	0.64	0.59	0.68	0.64	0.72	0.41	0.27	0.20	0.27	0.27	0.38	0.44
4	0.64	0.59	0.72	0.64	0.72	0.38	0.29	0.20	0.24	0.27	0.38	0.44
5	0.68	0.59	0.68	0.64	0.77	0.38	0.29	0.24	0.22	0.29	0.38	0.52
6	0.68	0.59	0.68	0.64	0.72	0.38	0.27	0.76	0.18	0.29	0.44	0.64
7	0.68	0.64	0.68	0.72	0.59	0.38	0.27	0.29	0.18	0.29	0.41	0.52
8	0.59	0.64	0.72	0.72	0.59	0.38	0.27	0.24	0.20	0.32	0.38	0.44
9	0.59	0.59	0.77	0.64	0.59	0.38	0.22	0.22	0.24	0.32	0.38	0.44
10	0.64	0.62	0.77	0.59	0.59	0.35	0.22	0.20	0.22	0.29	0.38	0.44
11	0.68	1.03	0.72	0.59	0.59	0.32	0.27	0.18	0.22	0.29	0.38	0.52
12	0.64	1.03	0.77	0.59	0.64	0.32	0.27	0.24	0.27	0.29	0.38	0.52
13	0.64	0.98	0.72	0.59	0.64	0.33	0.22	0.20	1.23	0.29	0.35	0.52
14	0.64	0.92	0.72	0.64	0.59	0.54	0.22	0.18	0.38	0.29	0.35	0.52
15	0.68	0.92	0.72	0.85	0.59	0.35	4.21	0.14	0.32	0.29	0.38	0.52
16	0.68	0.92	0.72	0.84	0.59	0.32	5.16	0.14	0.29	0.29	0.38	0.52
17	0.68	0.92	0.72	0.72	0.52	0.29	0.85	0.14	0.29	0.29	0.38	0.52
18	0.68	0.92	0.72	0.68	0.48	0.35	0.48	0.18	0.32	0.29	0.38	0.48
19	0.68	0.92	0.68	2.13	0.44	0.35	0.41	0.12	0.32	0.32	0.41	0.44
20	0.68	0.87	0.75	0.82	0.44	0.29	0.35	0.11	0.32	0.32	0.41	0.41
21	0.72	0.82	0.68	0.72	0.44	0.29	0.29	0.12	0.32	0.32	0.38	0.41
22	0.68	0.82	0.64	0.64	0.44	0.27	0.29	0.12	0.32	0.32	0.38	0.44
23	0.64	0.92	0.64	0.59	0.59	0.30	0.27	0.18	0.29	0.38	0.38	0.48
24	0.64	0.92	0.96	0.59	0.48	2.47	0.29	0.14	0.29	0.38	0.41	0.52
25	0.64	0.98	2.73	0.55	0.48	0.52	0.29	1.09	0.29	0.38	0.41	0.44
26	0.64	0.98	6.20	0.59	0.68	0.41	0.24	0.44	0.29	0.38	0.41	0.44
27	0.59	0.98	6.04	0.59	0.59	0.35	0.22	0.18	0.32	0.38	0.38	0.48
28	0.59	0.72	5.56	1.14	0.55	0.29	0.26	0.14	0.32	0.38	0.38	0.44
29	0.59	0.68	3.65	0.72	0.48	0.29	0.40	0.16	0.32	0.78	0.41	0.41
30	0.64		0.77	0.68	0.44	0.27	0.27	0.18	0.32	0.67	0.41	0.41
31	0.59		0.72		0.52		0.22	0.24		0.44		0.41
MEAN	0.6497	0.8028	1.3813	0.7296	0.5761	0.4271	0.5846	0.2383	0.3107	0.3458	0.3690	0.4713
INCHES	0.116	0.136	0.251	0.128	0.105	0.075	0.106	0.043	0.055	0.063	0.068	0.086
STA AV	0.133	0.139	0.282	0.335	0.569	0.538	0.145	0.075	0.170	0.204	0.173	0.150

Station Averages: 10 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.005857.

1977 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

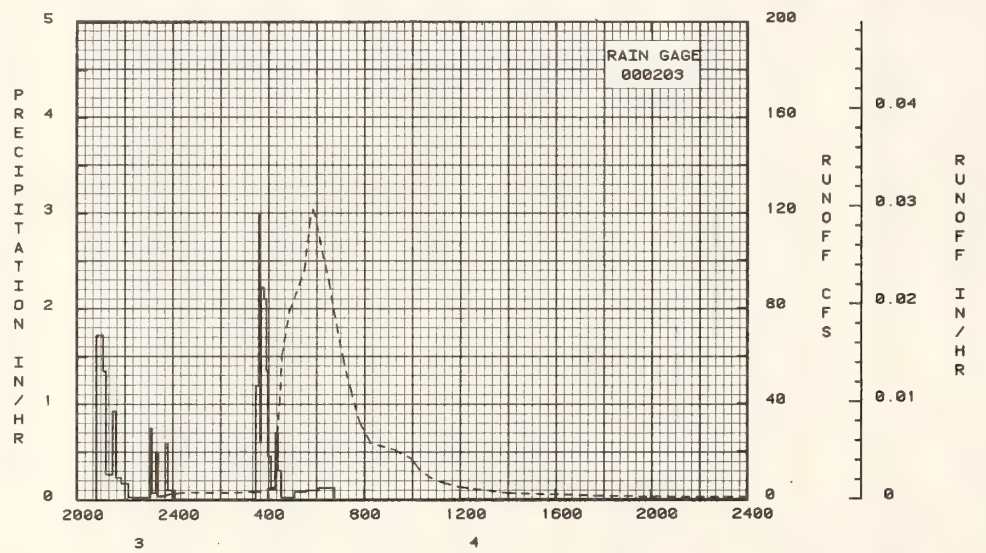
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.42	0.45	0.42	0.39	0.49	0.82	0.51	0.17	0.20	0.19	0.30	0.39
2	0.42	0.42	0.45	0.42	0.73	0.87	0.39	0.17	0.13	0.10	0.33	0.39
3	0.45	0.45	0.49	0.42	2.20	0.92	0.30	0.13	0.13	0.13	0.33	0.39
4	0.45	0.42	0.45	0.42	1.76	0.87	0.28	0.11	0.11	0.27	0.33	0.39
5	0.45	0.42	0.45	0.42	1.67	0.92	0.23	0.09	0.13	0.28	0.33	0.36
6	0.42	0.42	0.42	0.42	1.08	0.82	0.21	0.10	0.17	0.23	0.33	0.33
7	0.42	0.42	0.45	0.42	0.49	0.77	0.21	0.07	0.17	0.23	0.36	0.39
8	0.42	0.42	0.42	0.39	0.49	0.77	0.19	0.07	0.17	0.23	0.59	0.39
9	0.39	0.42	0.42	0.42	0.49	0.77	0.21	0.06	0.13	0.23	0.49	0.33
10	0.39	0.42	0.42	0.39	0.45	1.16	0.19	0.07	0.21	0.21	0.39	0.33
11	0.42	0.90	0.52	0.39	0.45	2.04	0.17	0.09	0.16	0.19	0.39	0.39
12	0.45	0.73	0.45	0.36	0.45	2.12	0.15	0.13	0.11	0.21	0.39	0.39
13	0.56	0.52	0.42	0.39	0.60	1.96	0.13	0.15	1.20	0.23	0.39	0.39
14	0.56	0.49	0.42	0.39	0.53	1.96	0.11	0.13	0.29	0.21	0.36	0.39
15	0.52	0.45	0.42	0.57	0.47	1.96	0.11	0.10	0.21	0.19	0.36	0.36
16	0.45	0.45	0.39	0.42	0.80	1.96	0.15	0.10	0.21	0.21	0.36	0.42
17	0.45	0.45	0.42	0.52	0.42	1.61	0.17	0.10	0.19	0.23	0.36	0.39
18	0.42	0.45	0.45	0.45	0.36	0.43	0.13	0.10	0.17	0.23	0.36	0.36
19	0.42	0.45	0.42	0.42	35.32	0.36	0.13	0.22	0.15	0.23	0.39	0.36
20	0.45	0.42	0.39	2.40	49.10	0.33	0.13	0.25	0.17	0.21	0.39	0.33
21	0.45	0.45	0.39	0.93	35.11	0.30	0.15	0.21	0.17	0.23	0.33	0.33
22	0.45	0.45	0.39	0.49	12.72	0.28	0.19	0.21	0.17	0.28	0.33	0.33
23	0.45	0.45	0.39	0.49	2.42	0.39	0.17	0.23	0.15	0.52	0.36	0.36
24	0.42	0.42	0.39	0.45	1.11	0.39	0.15	0.17	0.17	0.30	0.39	0.36
25	0.42	0.42	0.42	0.42	0.82	1.07	0.15	0.19	0.15	0.28	0.39	0.33
26	0.42	0.42	0.45	0.42	1.20	0.45	0.11	0.13	0.13	0.28	0.39	0.36
27	0.45	0.42	0.77	0.39	4.14	0.36	0.39	0.11	0.13	0.28	0.36	0.39
28	0.39	0.42	0.56	0.36	1.58	1.79	0.25	0.11	0.15	0.30	0.36	0.39
29	0.42		0.45	0.39	1.02	0.70	0.21	0.28	0.17	0.28	0.39	0.39
30	0.42		0.42	0.45	0.82	0.33	0.19	0.21	0.13	0.30	0.36	0.39
31	0.42		0.42		0.92		0.15	0.17		0.30		0.39
MEAN	0.4400	0.4649	0.4432	0.5072	5.1681	0.9829	0.2005	0.1428	0.1977	0.2419	0.3729	0.3706
INCHES	0.080	0.076	0.080	0.089	0.938	0.173	0.036	0.026	0.035	0.044	0.066	0.067
STA AV	0.128	0.134	0.264	0.313	0.603	0.505	0.135	0.070	0.158	0.190	0.164	0.142

Station Averages: 11 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.005857.

1968 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 3 - 4, 1968							
RG 000203			RG 000203							
9- 3	0.0	0.000	9- 3	2048	0.0	0.0	9- 3	2149	0.210	0.0
				2105	1.7294	0.49		2237	0.390	0.0001
				2113	1.3500	0.67		2304	0.960	0.0001
				2129	0.2625	0.74		2355	2.510	0.0005
				2138	0.9333	0.88		2400	2.710	0.0005
WATERSHED CONDITIONS: 100% used for pasture or range. Approximately 40% is thin steep land that has been grazed heavily. Tall, intermediate, and short grasses are prevalent.				2151	0.2308	0.93	9- 4	30	3.150	0.0009
				2209	0.1667	0.98		200	2.930	0.0020
				2304	0.0218	1.00		340	3.390	0.0033
				2308	0.7500	1.05		416	5.320	0.0039
				2317	0.0667	1.06		422	24.750	0.0043
				2323	0.5000	1.11		428	40.130	0.0051
				2341	0.0333	1.12		434	60.460	0.0063
				2347	0.6000	1.18		452	78.840	0.0114
			9- 4	5	0.1000	1.21		530	96.230	0.0250
				328	0.0059	1.23		545	118.170	0.0315
				336	1.2000	1.39		552	121.710	0.0349
				339	3.0000	1.54		611	106.840	0.0437
				342	0.6000	1.57		631	91.180	0.0518
				349	2.2286	1.83		651	72.660	0.0584
				355	2.1000	2.04		710	56.710	0.0634
				359	1.3500	2.13		730	43.160	0.0675
				407	0.4500	2.19		749	31.860	0.0704
				418	0.1091	2.21		816	23.460	0.0734
				424	0.7000	2.28		916	20.620	0.0788
				432	0.3000	2.32		958	16.950	0.0820
				506	0.0176	2.33		1019	12.120	0.0833
				535	0.0828	2.37		1049	8.620	0.0845
				606	0.0968	2.42		1119	6.670	0.0855
				645	0.1231	2.50		1200	4.860	0.0864
								1400	2.510	0.0882
								1800	1.270	0.0901
								2100	0.800	0.0908
								2400	0.660	0.0914

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.



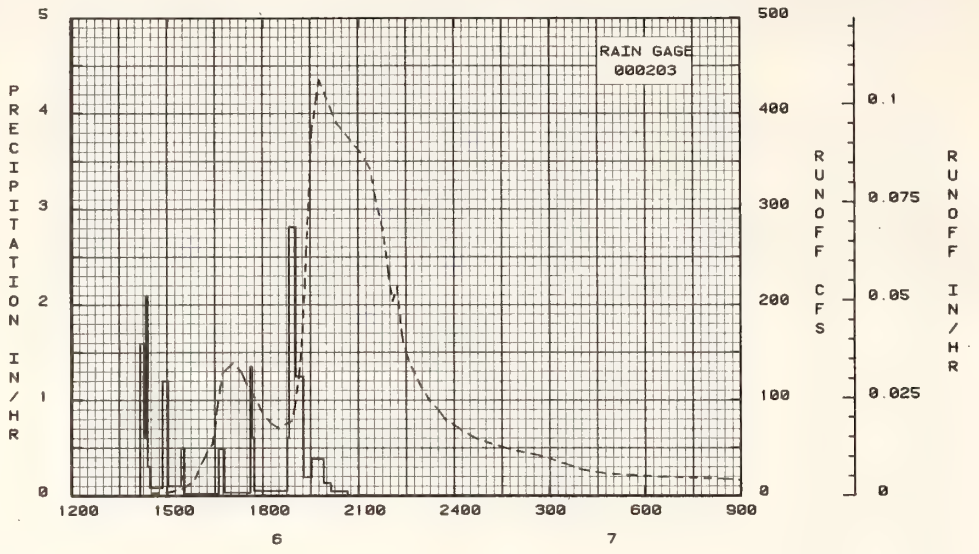
EVENT OF SEPTEMBER 3 - 4, 1968

CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5141 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MAY 6 - 7, 1969						
	RG 000203			RG 000203						
5- 6	0.0	0.008	5- 6	1408	0.0	0.0	5- 6	1430	2.590	0.0
				1417	1.6000	0.24		1500	3.730	0.0004
				1419	0.6000	0.26		1515	5.440	0.0007
				1423	2.1000	0.40		1530	7.950	0.0011
				1427	0.3000	0.42		1545	13.100	0.0017
WATERSHED CONDITIONS: 100% used for pasture or range. Approximately 40% is thin steep land that has been grazed heavily. Tall, intermediate, and short grasses are prevalent.				1451	0.0750	0.45		1552	17.790	0.0022
				1501	1.2000	0.65		1558	26.130	0.0027
				1526	0.0960	0.69		1615	46.080	0.0052
				1532	0.5000	0.74		1625	54.320	0.0072
				1637	0.0185	0.76		1630	70.220	0.0085
				1648	0.4909	0.85		1634	92.350	0.0098
				1736	0.0250	0.87		1640	111.970	0.0123
				1740	1.3500	0.96		1645	129.370	0.0148
				1744	0.6000	1.00		1704	138.660	0.0251
				1846	0.0484	1.05		1719	129.370	0.0333
				1849	0.6000	1.08		1730	116.180	0.0388
				1902	2.8154	1.69		1745	101.870	0.0454
				1916	1.2429	1.98		1800	86.020	0.0512
				1932	0.1875	2.03		1815	75.000	0.0561
				1954	0.3818	2.17		1830	70.220	0.0605
				2008	0.1286	2.20		1855	78.250	0.0681
				2039	0.0387	2.22		1900	92.350	0.0698
								1904	107.860	0.0714
								1910	133.970	0.0744
								1915	171.640	0.0775
								1919	219.910	0.0807
								1922	261.490	0.0836
								1928	329.340	0.0908
								1931	380.020	0.0952
								1940	414.000	0.1057
								1945	435.250	0.1183
								2007	404.760	0.1559
								2019	388.908	0.1753
								2104	358.360	0.2437
								2122	341.590	0.2693
								2133	307.580	0.2838
								2146	277.550	0.2993
								2158	226.270	0.3116
								2204	203.000	0.3168
								2213	218.340	0.3245
								2222	167.620	0.3316
								2230	148.350	0.3367
								2240	133.970	0.3424
								2300	111.970	0.3524
								2315	97.990	0.3588
								2330	89.600	0.3646
								2345	78.250	0.3697
								2400	73.380	0.3743
							5- 7	15	67.900	0.3786
								30	62.680	0.3826
								45	58.410	0.3863
								145	47.910	0.3993
								245	40.860	0.4101
								330	32.500	0.4168
								400	26.560	0.4204
								445	22.870	0.4249
								530	20.970	0.4289
								630	19.160	0.4338
								830	17.130	0.4427
								1030	15.850	0.4507
								1200	15.230	0.4564
								1315	14.200	0.4609
								1430	12.040	0.4649
								1615	11.290	0.4699
								1815	10.330	0.4752
								2030	9.200	0.4805
								2300	7.950	0.4858
								2400	7.560	0.4877

Conversion Factor: CFS to IN/HR, multiply by 0.0002440З.



EVENT OF MAY 6 - 7, 1969

CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

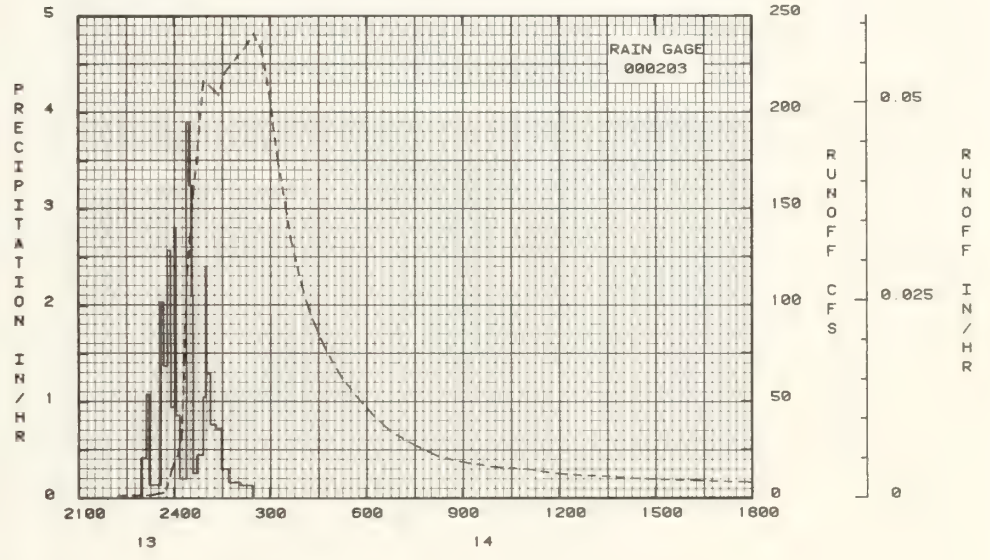
1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 13 - 14, 1969							
BG 000203			BG 000203							
6-13	0.28	0.006	6-13	2258	0.0	0.0	6-13	2215	1.540	0.0
				2308	0.4200	0.07		2315	1.850	0.0004
				2313	1.0800	0.16		2340	3.020	0.0007
				2335	0.1364	0.21		2345	5.130	0.0007
				2340	2.0400	0.38		2349	7.950	0.0008
WATERSHED CONDITIONS:										
100% used for pasture or				2347	1.3714	0.54		2355	14.200	0.0011
range. Approximately 40%				2354	2.5714	0.84		2400	18.470	0.0014
is thin steep land that has			6-14	1	0.9429	0.95	6-14	7	22.100	0.0020
been grazed heavily. Tall,				4	2.8000	1.09		15	35.500	0.0030
intermediate, and short				11	0.8571	1.19		19	75.000	0.0039
grasses are prevalent.										
				23	0.2000	1.23		25	117.240	0.0062
				29	3.9000	1.62		30	133.970	0.0088
				34	3.2400	1.89		37	158.450	0.0129
				36	2.1000	1.96		46	185.500	0.0192
				43	0.2571	1.99		56	216.770	0.0274
				55	0.4500	2.08		125	209.050	0.0525
				59	1.0500	2.15		137	221.490	0.0630
				101	2.4000	2.23		215	234.370	0.0983
				108	1.2857	2.38		230	240.980	0.1128
				119	0.7636	2.52		245	232.730	0.1272
				129	0.7200	2.64		300	209.050	0.1407
				143	0.3000	2.71		315	175.730	0.1524
				205	0.1636	2.77		330	150.840	0.1624
				228	0.1304	2.82		340	133.970	0.1682
								400	109.900	0.1781
								415	96.090	0.1844
								430	86.020	0.1899
								445	76.630	0.1949
								515	61.960	0.2034
								545	51.700	0.2103

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 13 - 14, 1969 (CONTINUED)							
							6-14	615	41.980	0.2160
								645	34.480	0.2207
								730	27.430	0.2263
								815	21.340	0.2308
								900	18.470	0.2344
								1000	15.850	0.2386
								1100	14.770	0.2424
								1200	12.300	0.2457
								1445	9.640	0.2530
								1615	8.770	0.2564
								1749	7.950	0.2596
								1845	7.560	0.2614
								1945	7.180	0.2632
								2030	6.270	0.2644
								2130	5.600	0.2658
								2400	5.130	0.2691

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.



EVENT OF JUNE 13 - 14, 1969

CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

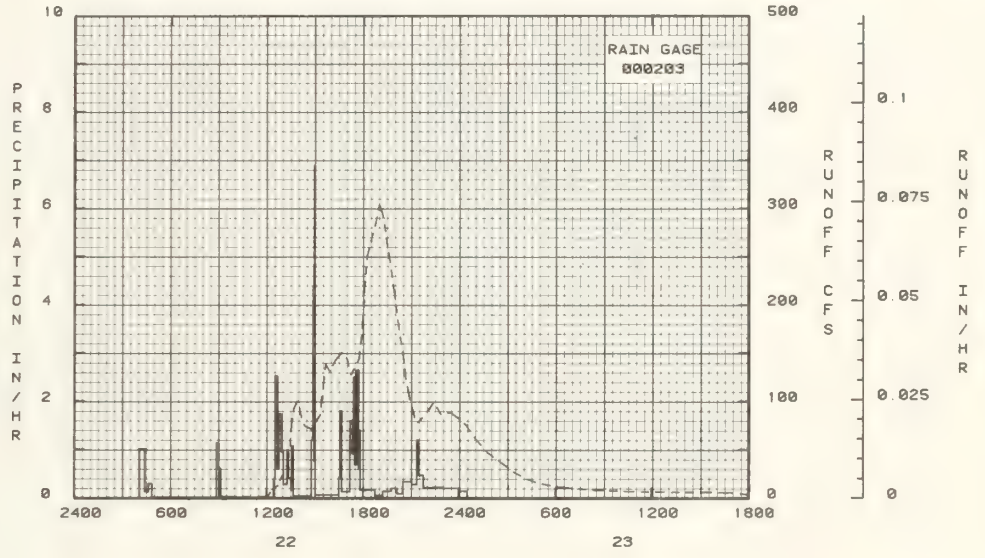
1970 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5141 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
					EVENT OF SEPTEMBER 22 - 23, 1970					
RG 000203			RG 000203							
9-22	0.0	0.0	9-22	403	0.0	0.0	9-22	407	0.050	0.0
				423	1.0200	0.34		425	0.150	0.0000
				438	0.1200	0.37		449	0.330	0.0000
				450	0.3000	0.43		604	0.300	0.0001
				851	0.0124	0.48		704	0.330	0.0002
WATERSHED CONDITIONS:										
100% used for pasture or				901	1.1400	0.67		855	0.360	0.0004
range. Approximately 40%				907	0.6000	0.73		906	0.960	0.0004
is thin steep land that has				939	0.0187	0.74		922	1.540	0.0005
been grazed heavily. Tall,				1226	0.0072	0.76		1007	1.190	0.0007
intermediate, and short				1232	0.4000	0.80		1156	0.850	0.0012
grasses are prevalent.										
				1241	2.5333	1.18		1204	1.770	0.0012
				1246	0.6000	1.23		1213	6.100	0.0014
				1256	1.7400	1.52		1221	9.200	0.0016
				1303	0.9429	1.63		1243	13.100	0.0026
				1316	0.2769	1.69		1249	18.470	0.0030
				1322	1.0000	1.79		1304	26.130	0.0044
				1331	0.4000	1.85		1319	35.500	0.0062
				1335	0.1500	1.86		1325	46.680	0.0072
				1340	1.0800	1.95		1333	75.000	0.0092
				1448	0.0353	1.99		1341	92.350	0.0119
				1453	1.2000	2.09		1355	100.850	0.0174
				1456	4.4000	2.31		1411	83.350	0.0234
				1458	6.9000	2.54		1422	74.150	0.0270
				1502	0.7500	2.59		1445	71.000	0.0338
				1630	0.0477	2.66		1500	77.460	0.0383
				1637	0.4286	2.71		1522	86.910	0.0456
				1641	1.8000	2.83		1526	105.840	0.0472
				1711	0.1200	2.85		1533	118.320	0.0504
				1720	1.6000	3.13		1540	138.660	0.0541
				1724	0.9000	3.19		1555	130.510	0.0623
				1730	2.5000	3.44		1618	143.460	0.0751
				1737	0.6857	3.52		1640	150.840	0.0882
				1744	2.6571	3.82		1700	143.460	0.1002
				1747	0.6000	3.86		1715	127.110	0.1085
				1750	1.4000	3.93		1745	144.670	0.1250
				1822	0.1500	4.01		1752	161.030	0.1294
				1846	0.1750	4.08		1800	189.650	0.1351
				1914	0.0429	4.10		1807	224.390	0.1410
				1947	0.1455	4.18		1815	251.060	0.1487
				2008	0.2000	4.25		1830	267.208	0.1645
				2030	0.0818	4.28		1845	284.020	0.1813
				2102	0.3375	4.46		1900	303.760	0.1993
				2122	0.2700	4.55		1915	290.510	0.2174
				2129	1.2000	4.69		1941	243.240	0.2456
				2147	0.4667	4.83		2000	206.530	0.2630
				2223	0.2000	4.95		2015	173.700	0.2746
				2301	0.2211	5.09		2030	148.350	0.2844
				2329	0.1929	5.18		2041	122.670	0.2905
				2400	0.1935	5.28		2055	101.870	0.2969
			9-23	31	0.1355	5.35		2113	83.390	0.3037
								2126	77.460	0.3079
								2210	92.350	0.3231
								2225	99.920	0.3290
								2252	86.020	0.3392
								2325	88.700	0.3509
								2400	81.670	0.3630
							9-23	26	75.000	0.3713
								104	59.810	0.3817
								146	46.680	0.3908
								240	35.500	0.3998
								326	26.130	0.4056
								419	18.470	0.4104
								445	15.850	0.4122
								540	12.560	0.4154
								619	10.800	0.4173
								700	9.640	0.4190
								830	7.750	0.4221
								925	7.180	0.4238
								1055	6.450	0.4263
								1249	5.930	0.4292

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 22 - 23, 1970 (CONTINUED)							
							9-23	1519	5.440	0.4326
								1630	5.290	0.4342
								1704	4.830	0.4349
								1815	3.250	0.4361
								1904	2.700	0.4367
								1945	2.490	0.4371
								2045	2.300	0.4377
								2215	2.210	0.4385
								2400	1.940	0.4394

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.



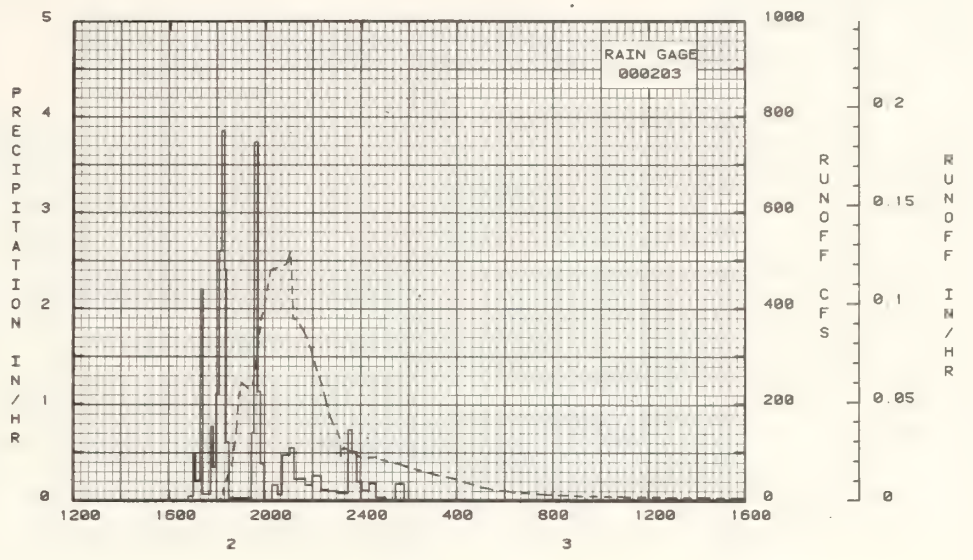
EVENT OF SEPTEMBER 22 - 23, 1970

CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

1971 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 2 - 3, 1971							
PG 000203			RG 000203							
10- 2	0.07	0.002	10- 2	1647	0.0	0.0	10- 2	1719	0.600	0.0
				1700	0.0462	0.01		1752	0.840	0.0001
				1705	0.4800	0.05		1804	1.390	0.0002
				1717	0.2000	0.09		1810	4.550	0.0002
				1723	2.2000	0.31		1815	12.690	0.0004
WATERSHED CONDITIONS: 100% used for pasture or range. Approximately 40% is thin steep land that has been grazed heavily. Tall, intermediate, and short grasses are prevalent.				1743	0.0600	0.33		1816	26.270	0.0005
				1750	0.7714	0.42		1825	46.210	0.0018
				1757	0.3429	0.46		1831	58.810	0.0031
				1804	1.1143	0.59		1836	73.250	0.0044
				1810	2.6000	0.85		1840	89.740	0.0058
				1817	3.8571	1.30		1843	108.240	0.0070
				1822	2.4000	1.50		1849	151.710	0.0101
				1829	0.6000	1.57		1853	211.910	0.0131
				1926	0.0211	1.59		1900	245.540	0.0196
				1932	0.7000	1.66		1915	233.400	0.0342
				1941	3.7333	2.22		1930	245.680	0.0488
				1949	1.1250	2.37		1940	301.270	0.0599
				1957	0.3750	2.42		1949	376.138	0.0723
				2017	0.0	2.42		1958	406.750	0.0867
				2032	0.1600	2.46		2013	479.188	0.1137
				2043	0.0545	2.47		2052	491.479	0.1907
				2102	0.4737	2.62		2103	519.198	0.2133
				2113	0.5455	2.72		2110	376.948	0.2260
				2124	0.2182	2.76		2115	376.948	0.2337
				2140	0.2250	2.82		2130	360.770	0.2562
				2159	0.1579	2.87		2145	336.958	0.2775
				2220	0.2571	2.96		2158	302.158	0.2944
				2237	0.1059	2.99		2210	269.770	0.3084
				2303	0.0923	3.03		2222	238.740	0.3208
				2328	0.0720	3.06		2231	209.930	0.3290
				2337	0.7333	3.17		2240	179.050	0.3361
				2349	0.5000	3.27		2252	155.970	0.3443
			10- 3	2	0.1846	3.31		2300	143.960	0.3492
				21	0.0947	3.34		2307	128.110	0.3530
				38	0.1765	3.39		2310	90.600	0.3544
				101	0.0261	3.40		2316	109.360	0.3568
				127	0.0	3.40		2352	92.380	0.3716
				148	0.1714	3.46		2400	87.100	0.3745
							10- 3	31	89.720	0.3856
								37	89.720	0.3878
								49	83.680	0.3921
								136	73.930	0.4071
								156	68.580	0.4129
								258	53.950	0.4284
								400	41.940	0.4405
								416	37.650	0.4430
								443	30.750	0.4468
								501	26.400	0.4489
								530	21.650	0.4517
								552	18.800	0.4535
								625	15.580	0.4558
								643	14.100	0.4569
								730	11.410	0.4594
								755	10.190	0.4605
								836	8.840	0.4621
								915	7.600	0.4634
								1045	5.780	0.4658
								1115	5.290	0.4665
								1152	4.980	0.4673
								1252	4.540	0.4684
								1415	3.850	0.4698
								1530	3.470	0.4710
								1643	3.120	0.4719
								1800	2.780	0.4729
								1900	2.680	0.4735
								2400	2.190	0.4765

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.



EVENT OF OCTOBER 2 - 3, 1971

CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

1972 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

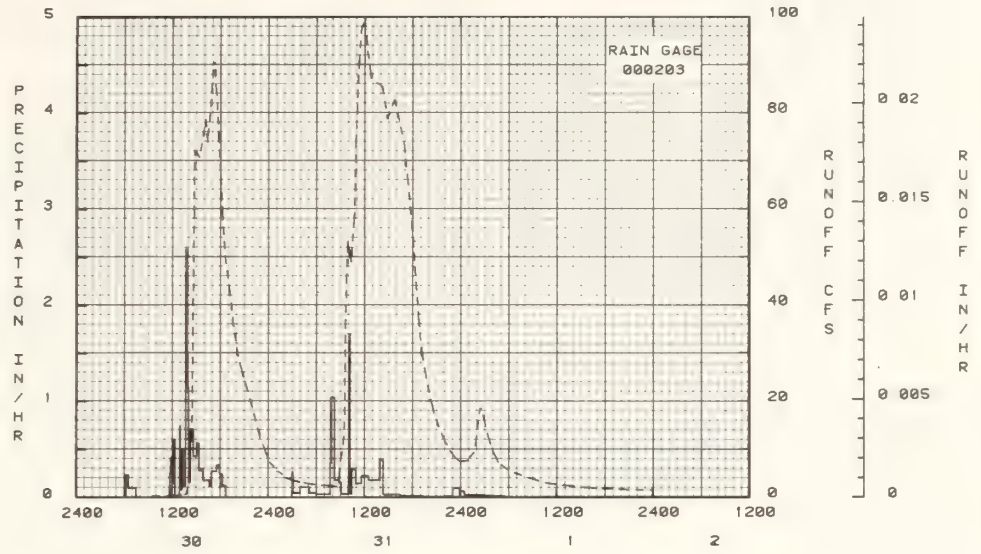
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 30 - NOVEMBER 1 1972							
RG 000203				RG 000203						
10-30	0.0	0.001	10-30	614	0.0	0.0	10-30	930	0.410	0.0
				629	0.2400	0.06		1156	0.410	0.0002
				728	0.1017	0.16		1245	0.560	0.0003
				1141	0.0	0.16		1345	0.690	0.0005
				1148	0.2571	0.19		1358	2.190	0.0006
WATERSHED CONDITIONS:										
100% used for pasture or range. Approximately 40% is thin steep land that has been grazed heavily. Tall, intermediate, and short grasses are prevalent.				1205	0.4235	0.31		1404	8.540	0.0006
				1213	0.1500	0.33		1415	10.430	0.0010
				1219	0.6000	0.39		1425	12.710	0.0014
				1255	0.0167	0.40		1430	18.800	0.0018
				1259	0.7500	0.45		1434	35.600	0.0022
				1314	0.0800	0.47		1440	59.270	0.0034
				1320	0.5000	0.52		1445	72.380	0.0047
				1340	0.1200	0.56		1522	70.840	0.0155
				1346	2.6000	0.82		1546	75.510	0.0226
				1352	1.5000	0.97		1607	78.720	0.0292
				1402	1.1400	1.16		1622	73.930	0.0339
				1409	0.6000	1.23		1652	84.530	0.0435
				1417	0.1500	1.25		1707	90.600	0.0489
				1438	0.7143	1.50		1715	90.600	0.0518
				1502	0.4250	1.67		1730	83.680	0.0572
				1522	0.5700	1.86		1748	73.930	0.0629
				1535	0.2769	1.92		1815	59.270	0.0702
				1549	0.3000	1.99		1837	50.150	0.0751
				1640	0.1765	2.14		1915	41.940	0.0823
				1656	0.1125	2.17		1940	35.600	0.0862
				1735	0.2769	2.35		2015	29.430	0.0908
				1756	0.3429	2.47		2052	25.160	0.0949
				1816	0.2400	2.55		2130	22.030	0.0986
				1841	0.1200	2.60		2200	18.800	0.1011
			10-31	300	0.0	2.60		2300	12.440	0.1049

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.

1972 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5141 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL			RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF OCTOBER 30 - NOVEMBER 1, 1972 (CONTINUED)										
			10-31	309	0.2667	2.64	10-30	2330	10.190	0.1063
				403	0.0444	2.68		2400	8.200	0.1074
				509	0.1091	2.80	10-31	16	7.210	0.1079
				602	0.0453	2.84		45	6.300	0.1087
				726	0.0286	2.88		115	5.450	0.1094
				745	0.0316	2.89		145	4.830	0.1100
				750	0.3600	2.92		215	3.980	0.1106
				817	1.0444	3.39		349	3.230	0.1120
				851	0.1765	3.49		430	3.000	0.1125
				907	0.1500	3.53		545	2.680	0.1133
				1001	0.0333	3.56		730	2.380	0.1144
				1006	0.2400	3.58		836	2.190	0.1150
				1012	1.7000	3.75		852	4.540	0.1153
				1028	0.0375	3.76		904	8.000	0.1156
				1055	0.2889	3.89		915	9.500	0.1160
				1138	0.1395	3.99		928	12.710	0.1165
				1234	0.2250	4.20		933	18.800	0.1169
				1328	0.1778	4.36		938	35.600	0.1174
				1358	0.1800	4.45		946	46.530	0.1188
				1421	0.3913	4.60		955	53.300	0.1206
				1630	0.0279	4.66		1022	48.930	0.1262
				1914	0.0110	4.69		1046	59.270	0.1315
				2155	0.0037	4.70		1055	73.930	0.1339
				2305	0.0086	4.71		1104	80.350	0.1367
			11- 1	1	0.0964	4.80		1119	90.600	0.1419
				31	0.0600	4.83		1136	97.850	0.1485
				250	0.0216	4.88		1155	98.780	0.1561
				531	0.0112	4.91		1158	98.780	0.1573
								1249	87.100	0.1765
								1415	85.380	0.2067
								1452	78.720	0.2191
								1545	82.840	0.2365
								1700	73.150	0.2603
								1730	64.900	0.2687
								1800	55.250	0.2760
								1833	43.060	0.2826
								1852	35.600	0.2856
								1915	29.880	0.2887
								1945	24.750	0.2920
								2043	17.470	0.2970
								2155	12.180	0.3014
								2245	9.500	0.3036
								2345	7.600	0.3056
								2400	7.400	0.3061
							11- 1	56	7.600	0.3078
								115	8.410	0.3084
								145	9.280	0.3095
								204	12.710	0.3104
								215	15.880	0.3110
								230	18.460	0.3121
								240	18.460	0.3128
								300	16.190	0.3142
								330	12.440	0.3160
								407	9.280	0.3176
								445	7.210	0.3189
								510	6.650	0.3196
								600	5.620	0.3208
								645	4.980	0.3218
								945	3.350	0.3248
								1100	2.780	0.3258

Conversion Factor: CFS to IN/HR, multiply by 0.000024403.



EVENT OF OCTOBER 30 - NOVEMBER 1, 1972

CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

1973 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

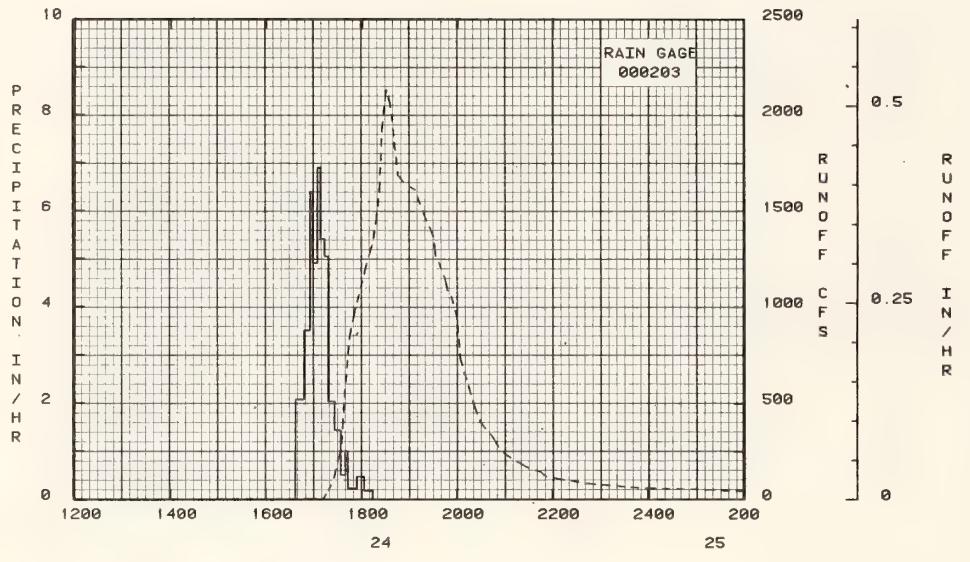
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	MAY	24 - 25, 1973					
RG 000203				RG 000203						
5-24	0.0	0.012	5-24	1637	0.0	0.0	5-24	1500	2.800	0.0
				1648	2.0727	0.38		1704	2.690	0.0014
				1655	3.5143	0.79		1713	8.350	0.0016
				1658	6.4000	1.11		1716	26.070	0.0018
				1704	4.9000	1.60		1719	45.950	0.0022
WATERSHED CONDITIONS:										
100% used for pasture or				1708	6.9000	2.06		1722	74.510	0.0030
range. Approximately 40%				1713	5.4000	2.51		1726	119.580	0.0045
is thin steep land that has				1718	5.0400	2.93		1734	255.310	0.0106
been grazed heavily. Tall,				1726	2.0250	3.20		1737	419.540	0.0148
intermediate, and short				1734	1.4250	3.39		1740	608.168	0.0210
grasses are prevalent.										
				1740	0.5000	3.44		1745	851.110	0.0359
				1743	1.0000	3.49		1752	950.148	0.0621
				1754	0.2182	3.53		1804	1188.858	0.1153
				1803	0.4667	3.60		1813	1321.240	0.1612
				1814	0.1636	3.63		1818	1449.858	0.1894
								1822	1612.780	0.2143
								1825	1928.138	0.2359
								1830	2114.148	0.2770
								1831	2130.388	0.2856
								1836	2038.398	0.3280
								1845	1688.198	0.3962
								1852	1649.870	0.4437
								1907	1606.958	0.5431
								1918	1483.688	0.6122
								1930	1365.719	0.6817
								1933	1264.250	0.6978
								1937	1230.270	0.7181
								1945	1142.458	0.7567
								1948	1084.638	0.7703
								1953	1054.020	0.7920

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 24 - 25, 1973 (CONTINUED)							
							5-24	2000	940.960	0.8204
								2004	731.760	0.8340
								2015	580.168	0.8634
								2022	478.370	0.8784
								2030	396.469	0.8927
								2045	318.570	0.9145
								2052	271.469	0.9229
								2100	235.410	0.9311
								2115	193.280	0.9442
								2130	160.280	0.9550
								2145	141.320	0.9642
								2152	117.160	0.9679
								2215	100.100	0.9780
								2245	80.920	0.9891
								2330	65.130	1.0024
								2400	57.290	1.0099
							5-25	115	49.530	1.0262

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.



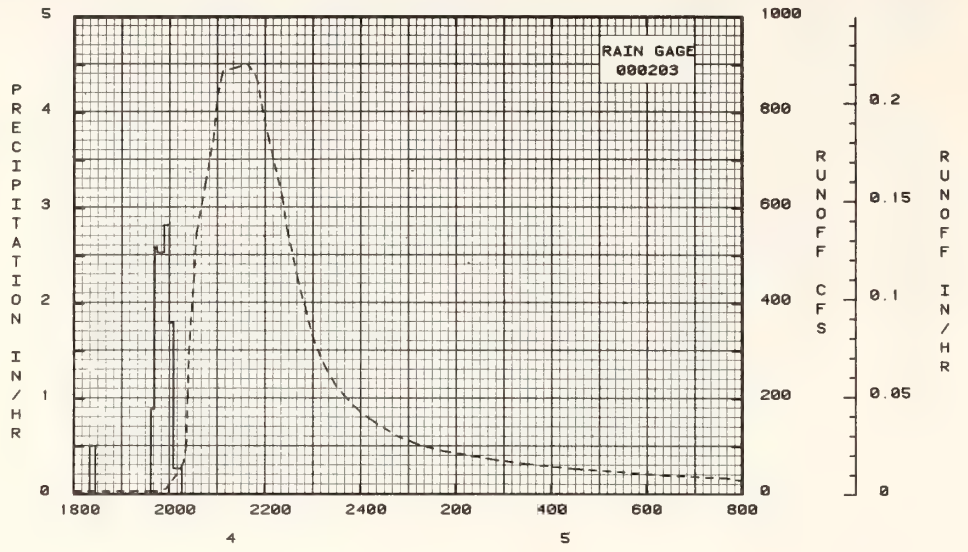
EVENT OF MAY 24 - 25, 1973

CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5141 NEAR MIDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 4 - 5, 1973							
RG 000203			RG 000203							
6- 4	0.0	0.039	6- 4	1820	0.0	0.0	6- 4	1800	7.930	0.0
				1827	0.5143	0.06		1945	7.930	0.0034
				1937	0.0	0.06		1955	12.550	0.0048
				1941	0.9000	0.12		2000	21.360	0.0041
				1944	2.6000	0.25		2004	31.320	0.0046
WATERSHED CONDITIONS: 100% used for pasture or range. Approximately 40% is thin steep land that has been grazed heavily. Tall, intermediate, and short grasses are prevalent.				1953	2.5333	0.63		2015	56.550	0.0065
				2000	2.8286	0.96		2019	74.510	0.0076
				2005	1.8000	1.11		2022	115.980	0.0088
				2016	0.2727	1.16		2023	205.430	0.0094
								2025	311.240	0.0115
								2030	431.969	0.0191
								2034	550.219	0.0271
								2045	651.658	0.0540
								2055	744.398	0.0824
								2100	837.500	0.0984
								2107	867.719	0.1230
								2130	898.948	0.2066
								2137	903.000	0.2322
								2149	875.469	0.2766
								2204	750.350	0.3252
								2222	622.668	0.3755
								2228	553.638	0.3858
								2236	494.719	0.4069
								2243	440.658	0.4202
								2251	391.668	0.4337
								2300	331.790	0.4470
								2315	269.080	0.4653
								2330	226.100	0.4804
								2345	197.130	0.4933
								2400	172.200	0.5046
							6- 5	22	146.840	0.5189
								45	123.260	0.5315
								115	103.380	0.5453
								145	90.650	0.5572
								245	73.630	0.5772
								337	61.920	0.5915
								430	52.900	0.6039
								630	39.260	0.6264
								745	33.210	0.6375
								915	27.750	0.6486

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.



EVENT OF JUNE 4 - 5, 1973

CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

1974 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

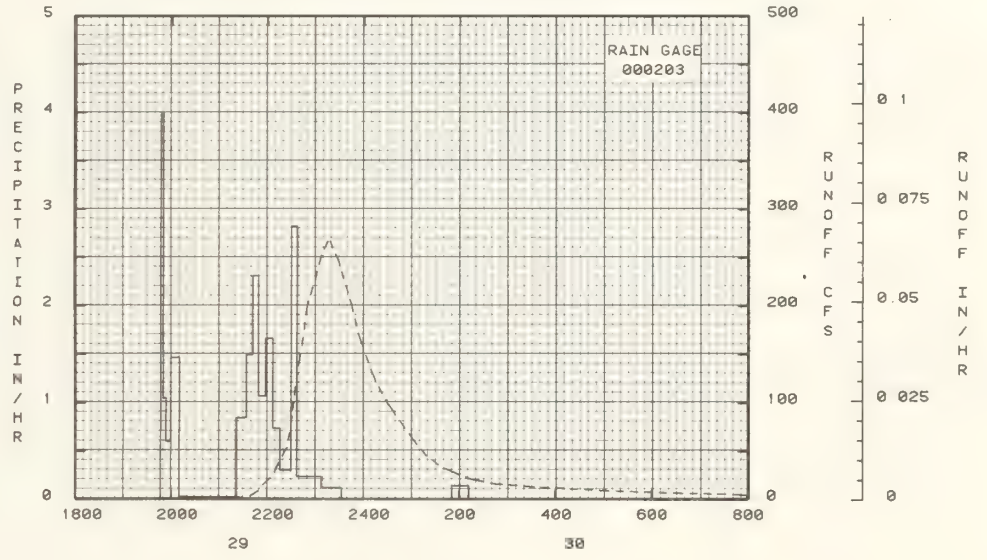
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 29 - 30, 1974							
RG 000203			RG 000203							
4-29	0.76	0.005	4-29	1946	0.0	0.0	4-29	1949	0.990	0.0
				1949	4.0000	0.20		2015	1.360	0.0001
				1953	1.0500	0.27		2049	1.640	0.0003
				1959	0.6000	0.33		2130	2.490	0.0007
				2010	1.4727	0.60		2140	4.330	0.0008
WATERSHED CONDITIONS:				2122	0.0250	0.63		2149	9.290	0.0011
100% used for pasture or				2134	0.8500	0.80		2155	15.670	0.0014
range. Approximately 40%				2142	1.5000	1.00		2204	22.460	0.0021
is thin steep land that has				2149	2.3143	1.27		2210	29.870	0.0027
been grazed heavily. Tall,				2158	1.0667	1.43		2215	38.610	0.0034
intermediate, and short										
grasses are prevalent.				2207	1.6667	1.68		2225	54.030	0.0053
				2216	0.7333	1.79		2230	78.610	0.0066
				2230	0.3000	1.86		2234	109.230	0.0082
				2237	2.8286	2.19		2240	143.900	0.0112
				2308	0.2323	2.31		2245	168.480	0.0144
				2333	0.1200	2.36		2249	197.890	0.0174
			4-30	151	0.0043	2.37		2300	228.570	0.0269
				212	0.1429	2.42		2307	252.430	0.0338
								2315	267.330	0.0423
								2318	267.330	0.0455
								2330	242.460	0.0580
								2345	200.990	0.0715
								2355	168.290	0.0790
								2400	155.560	0.0823
							4-30	15	122.360	0.0908
								30	99.970	0.0975
								40	87.500	0.1014
								52	73.560	0.1053
								100	64.840	0.1075
								107	56.790	0.1093

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.

1974 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 29 - 30, 1974 (CONTINUED)							
							4-30	119	45.210	0.1118
								134	35.550	0.1142
								145	30.760	0.1157
								200	25.190	0.1174
								215	20.980	0.1188
								230	18.210	0.1200
								245	15.970	0.1211
								334	12.820	0.1239
								507	9.080	0.1281

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.



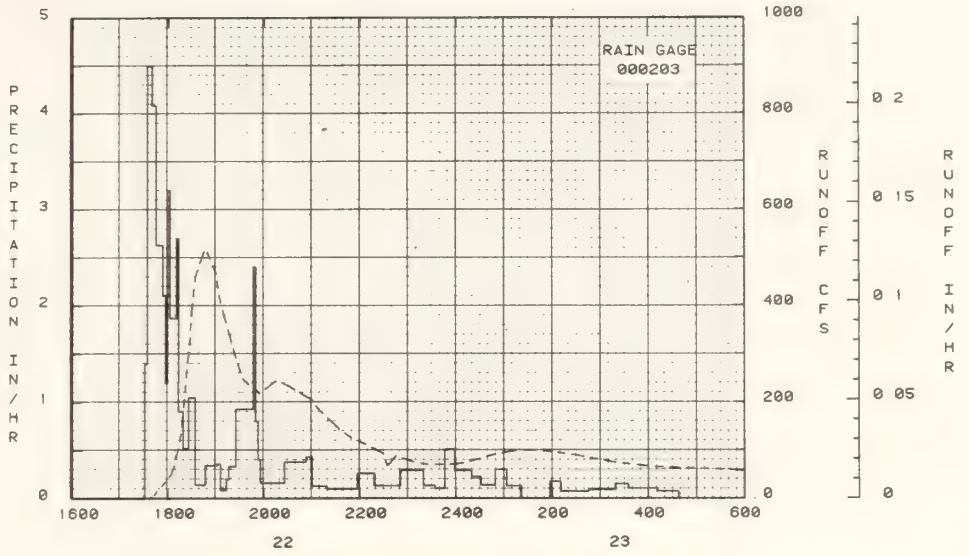
EVENT OF APRIL 29 - 30, 1974

CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

1975 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5141 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 22 - 23, 1975							
RG 000203			RG 000203							
5-22	0.0	0.005	5-22	1731	0.0	0.0	5-22	1730	1.280	0.0
				1734	1.4000	0.07		1740	3.070	0.0001
				1740	4.5000	0.52		1743	7.490	0.0002
				1745	4.0800	0.86		1746	16.280	0.0003
				1753	2.6250	1.21		1752	25.590	0.0008
WATERSHED CONDITIONS: 100% used for pasture or range. Approximately 40% is thin steep land that has been grazed heavily. Tall, intermediate, and short grasses are prevalent.				1757	2.1000	1.35		1756	34.560	0.0013
				1759	1.2000	1.39		1804	50.580	0.0027
				1802	3.2000	1.55		1808	68.710	0.0037
				1811	1.8667	1.83		1811	89.350	0.0046
				1813	2.7000	1.92		1815	120.070	0.0063
				1819	0.9000	2.01		1818	160.710	0.0080
				1826	0.5143	2.07		1821	206.780	0.0103
				1834	1.0500	2.21		1823	253.840	0.0121
				1847	0.1385	2.24		1826	304.418	0.0155
				1901	0.3429	2.32		1830	390.580	0.0212
				1906	0.3600	2.35		1834	461.500	0.0281
				1913	0.0857	2.36		1845	512.898	0.0499
				1916	0.2000	2.37		1849	511.398	0.0583
				1925	0.3333	2.42		1900	466.240	0.0801
				1947	0.9273	2.76		1904	419.760	0.0873
				1950	2.4000	2.88		1910	379.320	0.0971
				1953	0.8000	2.92		1919	325.628	0.1100
				1956	0.4000	2.94		1925	291.668	0.1175
				2026	0.1600	3.02		1934	246.080	0.1274
				2053	0.3778	3.19		1955	217.570	0.1472
				2100	0.4286	3.24		2015	244.880	0.1660
				2119	0.1263	3.28		2030	233.700	0.1806
				2157	0.0947	3.34		2100	204.020	0.2073
				2218	0.2571	3.43		2107	186.380	0.2128
				2251	0.1273	3.50		2122	162.460	0.2235
				2320	0.2897	3.64		2134	143.790	0.2309
				2334	0.1286	3.67		2149	124.630	0.2391
				2346	0.1000	3.69		2207	111.350	0.2478
				2359	0.5077	3.80		2230	92.180	0.2573
			5-23	20	0.2857	3.90		2234	66.370	0.2586
				31	0.2182	3.94		2245	87.500	0.2620
				49	0.1333	3.98		2307	74.380	0.2693
				103	0.3000	4.05		2325	69.510	0.2745
				122	0.1263	4.09		2400	70.310	0.2845
				157	0.0	4.09	5-23	30	82.090	0.2938
				211	0.1714	4.13		49	91.230	0.3005
				246	0.0686	4.17		115	98.980	0.3105
				319	0.0909	4.22		130	99.970	0.3166
				335	0.1500	4.26		140	99.970	0.3207
				412	0.0973	4.32		230	88.420	0.3398
				438	0.0692	4.35		319	73.560	0.3560
								400	65.600	0.3676
								430	62.560	0.3754

Conversion Factor: CFS to IN/HR, multiply by 0.000024403.



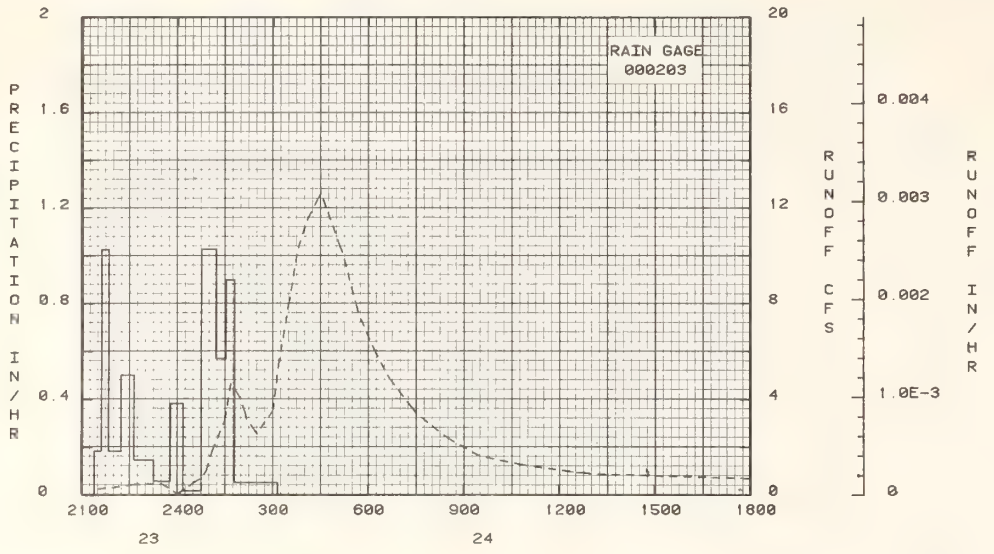
EVENT OF MAY 22 - 23, 1975

CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

1976 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JUNE 23 - 24, 1976						
	BG 000203			BG 000203						
6-23	0.0	0.002	6-23	2123	0.0	0.0	6-23	2130	0.270	0.0
				2136	0.1846	0.04		2248	0.480	0.0001
				2150	1.0286	0.28		2330	0.480	0.0002
				2213	0.1826	0.35		2400	0.060	0.0002
				2238	0.5040	0.56	6-24	41	0.680	0.0003
WATERSHED CONDITIONS:				2315	0.1459	0.65		55	1.030	0.0003
100% used for pasture or range. Approximately 40%				2346	0.0581	0.68		106	1.850	0.0004
is thin steep land that has			6-24	11	0.3840	0.84		130	3.180	0.0006
been grazed heavily. Tall,				45	0.0176	0.85		141	4.680	0.0008
intermediate, and short				113	1.0286	1.33		200	4.020	0.0012
grasses are prevalent.										
				132	0.5684	1.51		211	3.180	0.0013
				148	0.9000	1.75		230	2.560	0.0015
				309	0.0519	1.82		300	3.530	0.0019
								311	5.410	0.0021
								330	7.980	0.0026
								348	10.360	0.0033
								406	11.580	0.0041
								430	12.630	0.0053
								511	10.120	0.0072
								541	7.600	0.0083
								611	6.040	0.0091
								641	4.820	0.0098
								730	3.410	0.0106
								830	2.370	0.0113
								930	1.620	0.0118
								1100	1.210	0.0123

Conversion Factor: CFS to IN/HR, multiply by 0.000224403.



EVENT OF JUNE 23 - 24, 1976

CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

1977 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

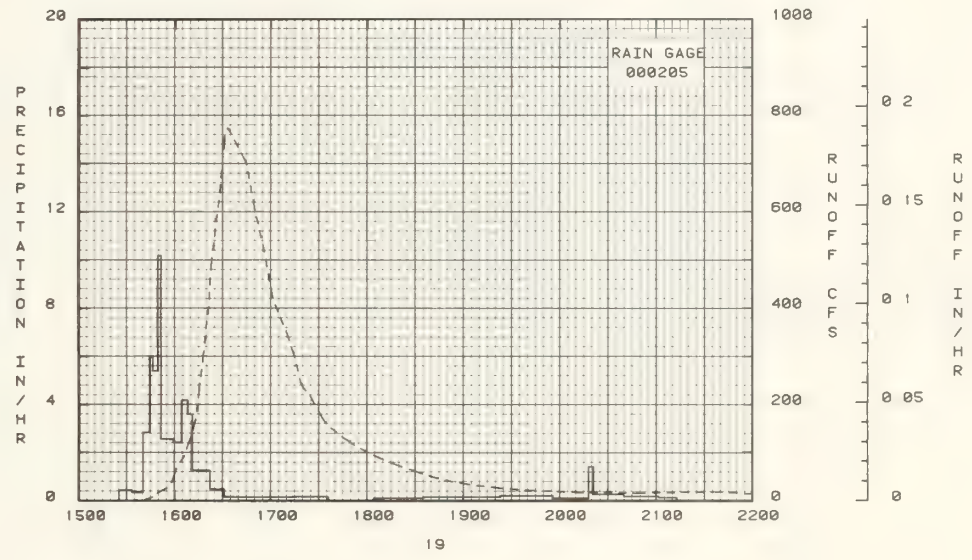
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 19, 1977							
RG 000205			RG 000205							
5-19	0.0	0.001	5-19	1525	0.0	0.0	5-19	1530	0.330	0.0
				1533	0.4500	0.06		1537	1.320	0.0000
				1540	0.3429	0.10		1543	4.290	0.0001
				1544	2.8500	0.29		1546	8.470	0.0002
				1546	6.0000	0.49		1549	16.680	0.0003
WATERSHED CONDITIONS: 100% used for pasture or range. Approximately 40% is thin steep land that has been grazed heavily. Tall, intermediate, and short grasses are prevalent.				1549	5.4000	0.76		1555	26.920	0.0008
				1551	10.2000	1.10		1558	39.340	0.0012
				1559	2.5500	1.44		1601	67.620	0.0019
				1604	2.4000	1.64		1606	93.900	0.0035
				1608	4.2000	1.92		1610	132.930	0.0054
				1611	3.6000	2.10		1613	170.400	0.0072
				1622	1.2545	2.33		1615	229.310	0.0089
				1631	0.4667	2.40		1618	312.840	0.0122
				1714	0.1395	2.50		1621	404.398	0.0166
				1736	0.1636	2.56		1623	505.969	0.0203
				1804	0.0	2.56		1628	642.020	0.0319
				1835	0.1161	2.62		1631	758.138	0.0405
				1855	0.1500	2.67		1633	775.820	0.0467
				1923	0.1500	2.74		1645	698.428	0.0827
				1956	0.2000	2.85		1649	618.830	0.0934
				2018	0.0818	2.88		1656	515.678	0.1095
				2021	1.4000	2.95		1701	421.219	0.1191
				2040	0.2526	3.03		1710	346.580	0.1331
				2102	0.1636	3.09		1715	297.770	0.1397
				2113	0.1091	3.11		1719	239.940	0.1440
								1725	213.950	0.1496
								1730	185.230	0.1536
								1734	160.490	0.1565
								1745	130.530	0.1630
								1752	114.530	0.1665

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.

1977 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 19, 1977 (CONTINUED)							
							5-19	1800	99.810	0.1699
								1810	84.530	0.1737
								1822	69.200	0.1774
								1830	60.036	0.1795
								1840	49.380	0.1818
								1849	41.110	0.1834
								1904	32.240	0.1857
								1925	24.270	0.1881
								1945	20.250	0.1899
								2010	16.680	0.1918
								2049	15.380	0.1943
								2137	18.050	0.1976

Conversion Factor: CFS to IN/HR, multiply by 0.00024403.



EVENT OF MAY 19, 1977

CHICKASHA, OKLAHOMA WATERSHED 5141 NEAR MIDDLEBURG

LOCATION: Grady County, Okla.; small watershed near Highway 62 in the vicinity of Middleburg; tributary of East Bitter Creek; Washita River; Red River Basin. GAGING STATION--NW1/4 sec. 7 N., R. 5 W., Lat. 35 deg. 05 min. 39 sec., Long. 97 deg. 46 min. 26 sec.

AREA: 360.30 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.93	1.31	2.10	2.51	4.81	2.51	4.40	1.29	3.70	2.62	5.00	1.37	34.55
1968	Q	0.033	0.036	0.057	0.046	0.080	0.107	0.096	0.023	0.147	0.099	0.155	0.039	0.919
	P	0.82	2.75	2.28	1.26	5.84	4.32	4.32	3.07	4.12	1.76	0.50	1.82	32.86
1969	Q	0.023	0.047	0.046	0.042	0.605	0.510	0.252	0.100	0.099	0.064	0.077	0.057	1.922
	P	0.11	0.83	2.53	2.76	4.16	1.20	1.32	2.32	8.08	3.26	1.15	0.37	28.09
1970	Q	0.050	0.037	0.043	0.052	0.210	0.025	0.003	0.010	0.345	0.075	0.023	0.021	0.894
	P	0.64	1.77	0.21	0.81	4.52	5.46	2.61	3.86	6.82	5.79	0.61	3.40	36.50
1971	Q	0.022	0.028	0.020	0.020	0.050	0.263	0.007	0.042	0.360	0.387	0.024	0.148	1.370
	P	0.18	0.67	1.21	4.80	3.45	1.02	1.32	1.77	1.44	9.83	2.61	0.87	29.17
1972	Q	0.058	0.034	0.049	0.164	0.118	0.022	0.019	0.004	0.007	0.477	0.076	0.034	1.063
	P	3.70	0.71	6.86	2.99	8.92	7.24	4.69	1.52	7.88	3.54	4.23	0.10	52.38
1973	Q	0.076	0.074	0.766	0.464	2.010	2.409	0.664	0.298	0.355	0.313	0.674	0.273	8.376
	P	0.15	2.14	2.11	4.84	3.27	1.12	0.61	5.21	3.97	5.73	1.78	1.72	32.65
1974	Q	0.180	0.181	0.200	0.456	0.448	0.192	0.087	0.214	0.107	0.256	0.158	0.127	2.605
STA AV	P	1.08	1.29	2.42	3.32	4.93	3.12	2.58	2.54	5.16	4.39	2.02	1.34	34.19
	Q	0.060	0.058	0.152	0.251	0.463	0.449	0.146	0.088	0.192	0.220	0.152	0.090	2.322

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1968	9- 4	0.201	9- 4	0.090	9- 4	0.097	9- 3	0.100	9- 3	0.112	9- 3	0.113	9- 3	0.114	9- 3	0.122
1969	5- 6	0.408	6-14	0.236	6-13	0.319	6-13	0.348	6-13	0.352	6-13	0.356	6-13	0.365	5- 3	0.466
1970	5-14	0.166	9-22	0.095	9-22	0.119	9-22	0.258	9-22	0.324	9-22	0.331	9-22	0.332	9-22	0.339
1971	10- 2	0.254	10- 2	0.118	10- 2	0.206	10- 2	0.307	10- 2	0.345	10- 2	0.346	10- 2	0.347	9-17	0.360
1972	10-30	0.201	10-30	0.102	10-30	0.145	10-30	0.192	10-31	0.216	10-30	0.347	10-30	0.427	10-24	0.433
1973	5-24	2.043	5-24	1.133	5-24	1.294	5-24	1.380	5-24	1.405	5-24	1.420	5-22	1.462	5-30	2.012
1974	4-29	0.251	4-29	0.192	4-29	0.253	4-29	0.277	4-29	0.281	4-29	0.286	4-29	0.459	4-29	0.550
			MAXIMUMS FOR PERIOD OF RECORD													
	5-24	2.043	5-24	1.133	5-24	1.294	5-24	1.380	5-24	1.405	5-24	1.420	5-22	1.462	5-30	2.012
	1973		1973		1973		1973		1973		1973		1973		1973	

Watershed Conditions: 100% used for pasture or range. Approximately 25% is severely eroded, but these gullies are healing with tall grasses. There are 4 farm ponds in the watershed.
Maps: Topographic/Hydrologic - Hydrolcgic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Pul. 1262, page 69.21-6. Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA Misc. Pub. 1216, page 69.7-21.
Precipitation: Records began Jan. 1967. Thiessen weighted average of 3 rain gages.
Runoff: Records began Jan. 1967.
Long-Term Precipitation: National Weather Service records at Chickasha, Oklahoma.

Cooperative Research Project of USDA and Oklahoma Agricultural Experiment Station

1968	DAILY PRECIPITATION (INCHES)					CHICKASHA, OKLAHOMA	WATERSHED 5142 NEAR FIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.14	0.0	0.20	0.0	0.96	1.97	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.0
3	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	1.39	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	1.45	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.53	0.0	0.0	0.0	1.30	0.0	0.0
6	0.03	0.0	0.0	0.0	0.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.09	0.0	0.04	0.56	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	1.10	0.0	0.0
10	0.0	0.0	0.15	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.12	0.0
11	0.06	0.0	0.30	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.10	0.0	0.42	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.05
13	0.0	0.06	0.0	0.0	0.38	0.0	1.11	0.10	0.0	0.0	0.0	0.0
14	0.0	0.18	0.0	0.0	0.0	0.0	0.36	0.0	0.0	0.0	0.25	0.0
15	0.0	0.0	0.0	0.0	0.12	0.14	0.03	0.90	0.05	0.0	1.46	0.0
16	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.17	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0
18	1.80	0.0	0.11	0.74	0.0	0.0	0.62	0.0	0.0	0.0	0.0	0.34
19	0.12	0.0	0.87	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.05	0.0	0.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.20	0.27	0.0	0.21	0.46	0.0	0.0	0.0	0.0	0.05	0.0	0.28
22	0.05	0.14	0.06	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	1.29	0.04	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.57	0.0
27	0.43	0.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.70
28	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.27	0.0
29	0.06	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.13		0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.07	0.0
31	0.0		0.0		0.79		0.13	0.03		0.0		0.0
TOTAL	2.93	1.31	2.10	2.51	4.81	2.51	4.40	1.29	3.70	2.62	5.00	1.37
STA AV	1.51	0.71	2.06	4.54	4.64	2.30	2.90	1.30	4.47	2.61	2.65	1.24

Gaging: Thiessen weighted average of 3 rain gages.
Station Averages: 2 yr beginning 1967.

1969	DAILY PRECIPITATION (INCHES)					CHICKASHA, OKLAHOMA	WATERSHED 5142 NEAR FIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.59	0.0	0.0	0.0	0.0	0.46	0.68	0.0	0.04	0.0
3	0.0	0.0	0.04	0.0	2.07	0.0	0.0	0.0	0.07	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.06	0.0	0.0	0.0	0.0
5	0.0	0.0	0.15	0.0	0.38	0.0	0.0	0.0	0.0	0.22	0.0	0.83
6	0.0	0.0	0.0	0.0	2.01	0.0	0.0	0.0	0.0	0.35	0.0	0.02
7	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.18	0.0	0.0	0.0
12	0.0	0.0	0.0	0.05	0.63	0.01	0.0	0.0	0.0	0.49	0.0	0.0
13	0.0	0.55	0.0	0.09	0.0	1.87	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	1.20	0.08	0.0	0.0	1.80	0.0	0.0	0.13	0.0	0.0	0.0
15	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.45	0.31	0.0	0.0	0.0	1.37	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0
19	0.03	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.65	0.0	0.0	0.0	0.0	3.51	0.0	0.0	0.01	0.0	0.09
21	0.0	0.27	0.0	0.0	0.0	0.0	0.04	0.0	0.81	0.04	0.0	0.0
22	0.0	0.0	0.33	0.0	0.0	0.0	0.05	0.79	0.88	0.07	0.0	0.0
23	0.0	0.04	1.13	0.11	0.0	0.0	0.0	0.07	0.0	0.20	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.61	1.21	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.53
29	0.71		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.30
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
31	0.08		0.0		0.0		0.11	0.0		0.0		0.0
TOTAL	0.82	2.75	2.28	1.26	5.84	4.32	4.32	3.07	4.12	1.76	0.50	1.82
STA AV	1.28	1.39	2.13	3.44	5.04	2.97	3.37	1.89	4.35	2.33	1.93	1.43

Gaging: Thiesser weighted average of 3 rain gages.
Station Averages: 3 yr beginning 1967.

1970 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.12	0.0	0.10	0.0	0.0	0.0	0.04	0.19	0.0
2	0.0	0.0	0.02	0.0	0.0	0.06	0.0	0.0	0.07	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.64	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.32	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.22	0.0	0.0
6	0.0	0.0	0.66	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0
7	0.0	0.01	0.25	0.0	0.0	0.0	0.0	0.0	0.03	0.65	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.06	0.07	0.0	0.10	0.0	0.0	0.0
12	0.0	0.0	0.02	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.58	0.0	0.95	0.0
14	0.0	0.0	0.0	0.0	2.01	0.0	0.0	0.0	0.83	0.0	0.01	0.0
15	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.26
16	0.0	0.0	0.59	0.34	0.0	0.0	0.0	0.0	0.38	0.05	0.0	0.0
17	0.11	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.51	0.16	0.0	0.0
18	0.0	0.0	0.03	0.35	0.0	0.0	0.0	1.14	0.0	0.0	0.0	0.0
19	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.94	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.06	0.42	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
22	0.0	0.32	0.0	0.0	0.0	0.0	0.0	0.24	5.38	0.51	0.0	0.0
23	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.04	0.0	0.0
24	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
26	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0
27	0.0	0.15	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.17	0.65	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.49	1.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.03	1.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.03		0.0	0.0		0.0		0.0
TOTAL	0.11	0.83	2.53	2.76	4.16	1.20	1.32	2.32	8.08	3.26	1.15	0.37
STA AV	0.99	1.25	2.23	3.27	4.82	2.53	2.86	2.00	5.29	2.56	1.74	1.17

Gaging: Thiessen weighted average of 3 rain gages.
Station Averages: 4 yr beginning 1967.

1971 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.02
2	0.10	0.0	0.09	0.0	0.0	0.85	0.0	0.0	0.0	3.41	0.0	0.62
3	0.54	0.0	0.0	0.0	0.01	0.81	0.0	0.0	0.0	0.18	0.0	0.06
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.08	0.0	0.0	0.0
7	0.0	0.03	0.0	0.0	0.0	1.07	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	0.0	0.06	0.04	0.48
9	0.0	0.0	0.0	0.0	0.82	0.22	0.15	0.0	0.0	0.0	0.0	0.13
10	0.0	0.0	0.0	0.0	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.24
11	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.03	0.0	0.08	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.81	0.0	0.0	0.0	1.23
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	1.77	0.02	0.12	0.0
18	0.0	0.19	0.0	0.0	0.12	0.0	0.0	0.0	2.41	0.51	0.0	0.0
19	0.0	0.0	0.0	0.17	0.0	0.0	0.03	0.0	0.10	0.65	0.0	0.0
20	0.0	0.0	0.0	0.12	0.0	0.44	0.0	0.0	0.0	0.14	0.0	0.0
21	0.0	1.45	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.06	0.0	0.0	0.15	0.0	0.0	0.0	0.35	0.0
23	0.0	0.0	0.0	0.0	1.15	0.0	0.63	0.0	0.28	0.0	0.05	0.0
24	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	2.10	0.0	0.0	0.0
25	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0
26	0.0	0.0	0.0	0.02	1.03	0.0	0.0	0.0	0.0	0.79	0.0	0.0
27	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.05	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.41
30	0.0		0.0	0.0	0.32	0.0	0.0	0.0	0.0	0.03	0.05	0.0
31	0.0		0.0		0.90		0.0	0.0		0.0		0.0
TOTAL	0.64	1.77	0.21	0.81	4.52	5.46	2.61	3.86	6.82	5.79	0.61	3.40
STA AV	0.92	1.35	1.83	2.78	4.76	3.12	2.81	2.37	5.59	3.21	1.51	1.61

Gaging: Thiesser weighted average of 3 rain gages.
Station Averages: 5 yr beginning 1967.

1972 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MILDREDTO

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.04	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0
2	0.0	0.05	0.0	0.0	0.0	0.0	0.73	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.02	0.0	0.16	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
6	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.07	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.92	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0
10	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.14
12	0.0	0.0	0.0	0.0	2.04	0.03	0.0	0.14	0.0	0.0	0.87	0.06
13	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.29	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.11	0.0	0.0
15	0.0	0.0	0.0	1.27	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.02
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.68	0.0
18	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.14	0.79	0.0	0.0
19	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.91	1.32	0.0	0.0	0.0	0.0	0.21	0.03	0.14	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.14	3.70	0.14	0.0
22	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.09	0.0	0.04	0.0	0.0
23	0.0	0.0	0.30	0.0	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.53	0.0	0.0	0.25	0.0
25	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.03	0.0
26	0.06	0.0	0.0	0.49	0.0	0.0	0.0	0.0	0.02	0.11	0.0	0.0
27	0.08	0.0	0.0	1.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.11	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.43
30	0.0		0.0	0.38	0.0	0.0	0.0	0.03	0.0	3.02	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		2.49		0.0
TOTAL	0.18	0.67	1.21	4.80	3.45	1.02	1.32	1.77	1.44	9.83	2.61	0.87
STA AV	0.80	1.24	1.73	3.12	4.54	2.77	2.56	2.27	4.90	4.31	1.69	1.49

Gaging: Thiesser weighted average of 3 rain gages.
Station Averages: 6 yr beginning 1967.

1973 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MILDREDTO

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.11	0.0	0.0	0.74	0.0	0.0	0.46	0.0	0.0	0.0
2	0.44	0.0	0.0	0.39	0.0	1.97	0.0	0.0	0.0	0.0	0.0	0.0
3	0.83	0.0	0.18	0.05	0.0	0.0	0.0	0.0	0.05	0.39	0.0	0.10
4	0.0	0.0	0.0	0.0	0.0	1.63	0.0	0.0	0.19	0.41	0.0	0.0
5	0.0	0.0	0.04	0.0	0.03	0.0	0.0	0.0	0.76	0.22	0.0	0.0
6	0.36	0.0	1.27	0.0	0.77	0.0	0.0	0.0	1.64	0.11	0.05	0.0
7	0.17	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.02	0.0
8	0.0	0.0	0.22	0.41	0.0	0.0	0.0	0.0	0.28	0.0	0.03	0.0
9	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0	0.0
10	0.0	0.0	1.02	0.0	0.0	0.0	0.27	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.96	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.50	0.0	0.0
13	0.0	0.0	0.16	0.27	0.0	0.15	0.65	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.04	0.0	0.08	0.04	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.91	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.71	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.64	0.0	0.0	0.0
18	0.0	0.03	0.0	0.0	0.0	0.69	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.63	0.0	0.68	0.0	0.0	0.0	0.0	2.59	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.74	0.0	0.0	0.0	0.08	0.0
21	0.79	0.0	0.0	0.0	0.05	0.0	0.19	0.0	0.0	0.0	0.0	0.0
22	0.0	0.18	0.01	0.25	1.48	0.0	2.10	0.0	0.26	0.0	0.0	0.0
23	0.0	0.0	1.96	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	1.37	0.04	4.14	0.0	0.0	0.0	0.0	0.0	1.36	0.0
25	0.55	0.15	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.91	0.63	0.0	0.0
27	0.02	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.60	0.32	0.10	0.0
28	0.0	0.0	0.0	0.0	0.0	0.23	0.08	0.0	0.0	0.0	0.0	0.0
29	0.0		0.10	0.0	0.0	0.13	0.01	0.0	0.0	0.0	0.0	0.0
30	0.0		0.19	0.0	0.72	0.0	0.61	0.0	0.0	0.0	0.0	0.0
31	0.25		0.0		1.53		0.0	0.0		0.0		0.0
TOTAL	3.70	0.71	6.86	2.95	8.92	7.24	4.69	1.52	7.88	3.54	4.23	0.10
STA AV	1.21	1.16	2.46	3.10	5.17	3.41	2.86	2.16	5.33	4.20	2.06	1.29

Gaging: Thiesser weighted average of 3 rain gages.
Station Averages: 7 yr beginning 1967.

1974	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA		WATERSHED 5142 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.02	0.0	0.0	0.0	1.46	0.0	0.0	0.35	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.81	0.0	0.28	0.0
3	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.06	0.0	0.0	0.74	0.0
4	0.0	0.0	0.0	0.0	0.0	0.06	0.24	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12
6	0.0	0.0	0.0	0.0	0.0	0.58	0.0	0.05	0.0	0.41	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.12	0.05	0.0
8	0.0	0.0	0.35	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0
9	0.11	0.0	0.02	0.0	0.0	0.0	0.0	1.72	0.0	0.0	0.37	0.0
10	0.0	0.0	1.26	0.0	0.0	0.0	0.0	2.21	0.0	0.0	0.26	0.88
11	0.0	0.0	0.0	1.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.05	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0
15	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.01	0.0	0.0	0.0
18	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0
20	0.0	0.94	0.38	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0
21	0.0	0.81	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	1.34	1.04	0.0	0.0
25	0.0	0.0	0.0	0.0	1.03	0.0	0.0	0.0	0.16	0.44	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.05	0.0	0.0
27	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.67	0.0	0.15	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.10	0.0	0.0
29	0.0		0.0	3.07	0.0	0.0	0.37	0.0	0.0	0.0	0.08	0.0
30	0.0		0.0	0.07	0.0	0.0	0.0	0.0	0.0	2.04	0.0	0.20
31	0.0		0.0		0.58		0.0	0.0		0.34		0.26
TOTAL	0.15	2.14	2.11	4.84	3.27	1.12	0.61	5.21	3.97	5.73	1.78	1.72
STA AV	1.08	1.29	2.42	3.32	4.93	3.12	2.58	2.54	5.16	4.39	2.02	1.34

Gaging: Thiesser weighted average of 3 rain gages.
Station Averages: 8 yr beginning 1967.

1968	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA		WATERSHED 5142 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.02	0.01	0.02	0.01	0.45	0.48	0.01	0.01	0.02	0.02	0.02
2	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.01	0.01	0.02	0.03	0.02
3	0.01	0.02	0.01	0.02	0.01	0.02	0.02	0.01	0.17	0.02	0.02	0.02
4	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.01	1.54	0.02	0.02	0.02
5	0.01	0.02	0.01	0.01	0.02	0.17	0.02	0.01	0.02	0.27	0.02	0.02
6	0.01	0.02	0.01	0.02	0.03	0.02	0.02	0.01	0.01	0.02	0.02	0.02
7	0.01	0.02	0.01	0.01	0.02	0.36	0.02	0.01	0.01	0.02	0.02	0.02
8	0.01	0.02	0.01	0.01	0.01	0.02	0.03	0.01	0.01	0.03	0.02	0.02
9	0.01	0.02	0.01	0.02	0.04	0.02	0.03	0.01	0.02	0.64	0.02	0.02
10	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02
11	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02
12	0.01	0.02	0.02	0.03	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02
13	0.01	0.02	0.03	0.02	0.04	0.02	0.24	0.01	0.02	0.02	0.01	0.02
14	0.01	0.02	0.02	0.02	0.02	0.02	0.04	0.01	0.02	0.02	0.01	0.02
15	0.01	0.02	0.01	0.02	0.02	0.02	0.03	0.04	0.02	0.02	0.81	0.02
16	0.02	0.02	0.0	0.02	0.02	0.04	0.02	0.01	0.01	0.02	0.02	0.02
17	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02
18	0.10	0.02	0.01	0.03	0.01	0.02	0.12	0.01	0.01	0.02	0.02	0.02
19	0.03	0.02	0.38	0.12	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02
20	0.01	0.02	0.08	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02
21	0.02	0.02	0.05	0.03	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02
22	0.02	0.02	0.02	0.09	0.02	0.03	0.02	0.0	0.02	0.02	0.02	0.02
23	0.01	0.02	0.02	0.01	0.02	0.03	0.02	0.01	0.05	0.02	0.01	0.01
24	0.01	0.02	0.02	0.02	0.02	0.04	0.02	0.01	0.02	0.02	0.01	0.01
25	0.01	0.02	0.02	0.01	0.54	0.04	0.02	0.01	0.02	0.02	0.01	0.01
26	0.01	0.01	0.02	0.01	0.02	0.03	0.02	0.01	0.02	0.02	0.79	0.02
27	0.03	0.02	0.01	0.02	0.02	0.03	0.02	0.01	0.03	0.02	0.17	0.03
28	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.03	0.02	0.10	0.02
29	0.02	0.01	0.01	0.02	0.01	0.02	0.02	0.01	0.03	0.02	0.02	0.02
30	0.02		0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02
31	0.02		0.01		0.11		0.02	0.02		0.02		0.02
MEAN	0.0163	0.0185	0.0280	0.0234	0.0393	0.0540	0.0466	0.0110	0.0743	0.0483	0.0783	0.0192
INCHES	0.035	0.036	0.057	0.046	0.080	0.107	0.096	0.023	0.147	0.099	0.155	0.039
STA AV	0.035	0.033	0.045	0.406	0.133	0.087	0.067	0.018	0.132	0.092	0.093	0.032

Station Averages: 2 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.06606.

1969 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.01	0.02	0.02	0.02	0.19	0.03	0.07	0.04	0.04	0.03	0.04
2	0.02	0.01	0.02	0.02	0.02	0.10	0.03	0.08	0.04	0.04	0.03	0.03
3	0.01	0.01	0.02	0.02	1.48	0.08	0.04	0.08	0.04	0.04	0.03	0.03
4	0.01	0.01	0.02	0.02	0.04	0.07	0.03	0.07	0.04	0.04	0.03	0.03
5	0.02	0.01	0.02	0.02	0.21	0.07	0.04	0.06	0.03	0.04	0.03	0.06
6	0.02	0.01	0.02	0.02	4.98	0.07	0.03	0.05	0.04	0.04	0.04	0.04
7	0.01	0.01	0.02	0.02	0.12	0.06	0.03	0.05	0.03	0.04	0.04	0.03
8	0.01	0.01	0.02	0.02	0.05	0.07	0.02	0.04	0.03	0.04	0.04	0.03
9	0.01	0.01	0.02	0.02	0.05	0.08	0.02	0.04	0.03	0.04	0.04	0.03
10	0.01	0.01	0.02	0.02	0.04	0.08	0.02	0.04	0.04	0.04	0.04	0.02
11	0.01	0.01	0.02	0.02	0.05	0.08	0.02	0.04	0.04	0.04	0.04	0.02
12	0.01	0.01	0.02	0.02	0.29	0.08	0.02	0.04	0.04	0.04	0.04	0.02
13	0.01	0.02	0.02	0.02	0.07	0.23	0.02	0.04	0.04	0.04	0.04	0.02
14	0.01	0.01	0.02	0.02	0.06	5.25	0.02	0.03	0.04	0.02	0.04	0.03
15	0.01	0.02	0.02	0.02	0.06	0.10	0.03	0.05	0.04	0.03	0.04	0.02
16	0.01	0.02	0.02	0.03	0.07	0.09	0.04	0.04	0.15	0.03	0.04	0.02
17	0.01	0.01	0.02	0.02	0.11	0.09	0.02	0.04	0.04	0.03	0.04	0.02
18	0.01	0.01	0.02	0.02	0.11	0.09	0.03	0.03	0.04	0.02	0.04	0.02
19	0.01	0.01	0.02	0.02	0.12	0.07	0.04	0.03	0.04	0.02	0.04	0.02
20	0.01	0.08	0.02	0.02	0.11	0.07	2.37	0.03	0.04	0.02	0.04	0.02
21	0.01	0.06	0.02	0.02	0.11	0.07	0.17	0.03	0.08	0.02	0.04	0.02
22	0.01	0.02	0.02	0.02	0.11	0.06	0.04	0.06	0.13	0.02	0.04	0.03
23	0.01	0.02	0.03	0.02	0.12	0.06	0.07	0.04	0.09	0.02	0.04	0.03
24	0.01	0.02	0.02	0.02	0.12	0.07	0.07	0.03	0.05	0.02	0.04	0.03
25	0.01	0.02	0.02	0.02	0.12	0.08	0.12	0.17	0.05	0.02	0.04	0.03
26	0.01	0.02	0.02	0.04	0.12	0.08	0.08	0.05	0.05	0.02	0.05	0.03
27	0.01	0.02	0.02	0.02	0.09	0.08	0.07	0.04	0.05	0.04	0.04	0.02
28	0.01	0.01	0.02	0.02	0.08	0.07	0.07	0.04	0.04	0.03	0.04	0.03
29	0.02		0.02	0.02	0.08	0.07	0.07	0.04	0.04	0.03	0.04	0.03
30	0.01		0.02	0.02	0.08	0.06	0.08	0.04	0.04	0.03	0.04	0.03
31	0.01		0.02		0.08		0.07	0.03		0.03		0.03
MEAN	0.0114	0.0252	0.0225	0.0210	0.2956	0.2573	0.1229	0.0491	0.0499	0.0313	0.0388	0.0277
INCHES	0.023	0.047	0.046	0.042	0.605	0.510	0.252	0.100	0.099	0.064	0.077	0.057
STA AV	0.031	0.038	0.045	0.284	0.290	0.228	0.126	0.046	0.121	0.083	0.087	0.040

Station Averages: 3 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.06606.

1970 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.0	0.0	0.01	0.01	0.01
2	0.03	0.02	0.02	0.02	0.02	0.01	0.0	0.0	0.0	0.01	0.01	0.01
3	0.03	0.02	0.02	0.02	0.02	0.02	0.0	0.0	0.0	0.01	0.01	0.01
4	0.03	0.02	0.02	0.02	0.02	0.02	0.0	0.0	0.0	0.0	0.01	0.01
5	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.0	0.0	0.30	0.01	0.01
6	0.03	0.02	0.03	0.02	0.02	0.01	0.01	0.0	0.0	0.01	0.01	0.01
7	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.0	0.0	0.24	0.01	0.01
8	0.03	0.02	0.02	0.02	0.02	0.01	0.0	0.0	0.0	0.30	0.01	0.01
9	0.03	0.02	0.02	0.02	0.02	0.01	0.0	0.0	0.0	0.02	0.01	0.01
10	0.03	0.02	0.02	0.02	0.02	0.02	0.0	0.0	0.0	0.01	0.01	0.01
11	0.03	0.02	0.02	0.02	0.02	0.02	0.0	0.0	0.0	0.01	0.02	0.01
12	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.0	0.0	0.01	0.01	0.01
13	0.02	0.02	0.02	0.02	0.02	0.02	0.0	0.0	0.0	0.01	0.03	0.01
14	0.02	0.02	0.02	0.02	1.35	0.01	0.0	0.0	0.09	0.01	0.01	0.01
15	0.02	0.02	0.02	0.02	0.12	0.01	0.0	0.0	0.0	0.01	0.01	0.02
16	0.02	0.02	0.03	0.02	0.02	0.01	0.0	0.0	0.00	0.01	0.01	0.01
17	0.02	0.02	0.02	0.02	0.02	0.01	0.0	0.0	0.02	0.01	0.01	0.01
18	0.02	0.02	0.02	0.02	0.02	0.01	0.0	0.0 T	0.0	0.01	0.01	0.01
19	0.02	0.02	0.02	0.02	0.02	0.01	0.0	0.13	0.0	0.01	0.01	0.01
20	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.0	0.0	0.01	0.01	0.01
21	0.02	0.02	0.02	0.02	0.02	0.01	0.0	0.0	0.0	0.01	0.01	0.01
22	0.02	0.02	0.02	0.02	0.02	0.01	0.0	0.00	4.78	0.02	0.01	0.01
23	0.03	0.02	0.02	0.02	0.02	0.01	0.0	0.01	0.25	0.01	0.02	0.01
24	0.03	0.02	0.02	0.02	0.02	0.01	0.0	0.0	0.01	0.01	0.01	0.01
25	0.02	0.02	0.02	0.02	0.02	0.01	0.0	0.0	0.01	0.01	0.01	0.01
26	0.02	0.02	0.02	0.02	0.02	0.01	0.0	0.0	0.02	0.01	0.01	0.01
27	0.02	0.02	0.02	0.02	0.02	0.01	0.0	0.0	0.01	0.01	0.01	0.01
28	0.02	0.02	0.03	0.02	0.02	0.01	0.0	0.0	0.01	0.01	0.01	0.01
29	0.02		0.02	0.04	1.16	0.01	0.0	0.0	0.01	0.01	0.01	0.01
30	0.02		0.02	0.19	0.02	0.01	0.0	0.0	0.01	0.01	0.01	0.01
31	0.02		0.02		0.02		0.0	0.0		0.01		0.01
MEAN	0.0245	0.0200	0.0212	0.0262	0.1026	0.0125	0.0016	0.0048	0.1741	0.0367	0.0114	0.0103
INCHES	0.050	0.037	0.043	0.052	0.210	0.025	0.003	0.010	0.345	0.075	0.023	0.021
STA AV	0.036	0.038	0.045	0.226	0.270	0.177	0.097	0.037	0.177	0.081	0.071	0.035

Station Averages: 4 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.06606.

1971	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5142 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.01	0.01	0.01	0.0	0.02	0.07	0.0	0.0	0.0	0.02	0.01
2	0.01	0.01	0.0	0.01	0.01	0.68	0.02	0.0	0.0	4.34	0.02	0.02
3	0.02	0.01	0.0	0.01	0.01	1.72	0.0	0.0	0.0	0.90	0.01	0.02
4	0.01	0.01	0.01	0.01	0.01	0.01	0.0	0.0	0.0	0.01	0.02	0.02
5	0.01	0.01	0.02	0.01	0.0	0.01	0.0	0.0	0.0	0.01	0.02	0.02
6	0.01	0.01	0.01	0.01	0.0	0.01	0.0	0.0	0.0	0.01	0.01	0.01
7	0.01	0.01	0.01	0.01	0.0	0.42	0.0	0.0	0.0	0.01	0.01	0.01
8	0.02	0.01	0.01	0.01	0.0	0.04	0.0	0.03	0.0	0.02	0.01	0.05
9	0.01	0.01	0.01	0.01	0.02	0.01	0.0	0.0	0.0	0.02	0.01	0.02
10	0.01	0.01	0.01	0.01	0.01	0.01	0.0	0.0	0.0	0.02	0.01	0.04
11	0.01	0.01	0.01	0.01	0.01	0.03	0.0	0.0	0.0	0.02	0.01	0.01
12	0.01	0.01	0.01	0.01	0.02	0.89	0.0	0.0	0.0	0.01	0.01	0.01
13	0.01	0.01	0.01	0.01	0.02	0.01	0.0	0.04	0.0	0.0	0.01	0.01
14	0.01	0.01	0.01	0.01	0.01	0.01	0.0	0.49	0.0	0.01	0.01	1.49
15	0.01	0.01	0.01	0.01	0.01	0.01	0.0	0.03	0.0	0.01	0.01	0.05
16	0.01	0.01	0.01	0.01	0.0	0.01	0.0	0.04	0.0	0.01	0.01	0.02
17	0.01	0.01	0.01	0.01	0.01	0.01	0.0	0.0	0.04	0.01	0.01	0.02
18	0.01	0.02	0.01	0.01	0.0	0.01	0.0	0.0	2.83	0.03	0.01	0.02
19	0.01	0.02	0.01	0.01	0.0	0.01	0.0	0.0	0.0	0.15	0.01	0.02
20	0.01	0.01	0.01	0.01	0.0	0.01	0.0	0.0	0.0	0.03	0.01	0.02
21	0.01	0.12	0.01	0.01	0.0	0.02	0.0	0.0	0.0	0.01	0.01	0.02
22	0.01	0.01	0.01	0.01	0.0	0.01	0.0	0.0	0.0	0.01	0.02	0.02
23	0.01	0.01	0.01	0.01	0.15	0.01	0.0	0.0	0.0	0.01	0.02	0.02
24	0.01	0.01	0.01	0.01	0.01	0.00	0.0	0.0	2.57	0.01	0.01	0.02
25	0.01	0.02	0.01	0.01	0.01	0.0	0.0	0.0	0.01	0.01	0.01	0.02
26	0.01	0.01	0.01	0.01	0.02	0.0	0.0	0.0	0.0	0.09	0.01	0.02
27	0.01	0.01	0.01	0.01	0.07	0.0	0.0	0.0	0.0	0.02	0.01	0.02
28	0.01	0.01	0.01	0.01	0.01	0.0	0.01	0.0	0.0	0.02	0.01	0.02
29	0.01		0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.02	0.01	0.14
30	0.01		0.01	0.01	0.02	0.0	0.0	0.0	0.0	0.02	0.01	0.03
31	0.01		0.01		0.30		0.0	0.0		0.01		0.02
MEAN	0.0106	0.0151	0.0097	0.0100	0.0243	0.1327	0.0032	0.0205	0.1816	0.1891	0.0120	0.0723
INCHES	0.022	0.028	0.020	0.020	0.050	0.263	0.007	0.042	0.360	0.387	0.024	0.148
STA AV	0.033	0.036	0.040	0.185	0.226	0.194	0.079	0.038	0.213	0.142	0.062	0.058

Station Averages: 5 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.06606.

1972	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5142 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.0	0.0	0.0	0.18	0.02
2	0.02	0.02	0.02	0.02	0.02	0.01	0.04	0.0	0.01	0.0	0.01	0.02
3	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.0	0.0	0.0	0.01	0.02
4	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.0	0.01	0.0	0.01	0.02
5	0.03	0.02	0.01	0.02	0.02	0.01	0.01	0.0	0.01	0.0	0.01	0.02
6	0.04	0.02	0.01	0.02	0.03	0.01	0.01	0.01	0.0	0.0	0.01	0.02
7	0.05	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.0	0.0	0.01	0.02
8	0.04	0.02	0.01	0.02	0.02	0.01	0.02	0.00	0.07	0.0	0.01	0.02
9	0.04	0.01	0.01	0.02	0.02	0.01	0.02	0.0	0.0	0.0	0.01	0.02
10	0.04	0.01	0.01	0.02	0.01	0.01	0.02	0.0	0.0	0.0	0.01	0.02
11	0.04	0.02	0.01	0.02	0.01	0.01	0.01	0.0	0.0	0.0	0.02	0.02
12	0.04	0.02	0.01	0.02	1.28	0.01	0.01	0.0	0.0	0.0	0.43	0.02
13	0.04	0.03	0.01	0.01	0.02	0.01	0.01	0.01	0.0	0.0	0.04	0.02
14	0.04	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.0	0.0	0.03	0.02
15	0.04	0.02	0.01	0.32	0.02	0.01	0.01	0.01	0.0	0.0	0.03	0.02
16	0.04	0.02	0.02	0.02	0.02	0.01	0.01	0.0	0.0	0.01	0.04	0.02
17	0.05	0.02	0.02	0.01	0.02	0.01	0.01	0.0	0.0	0.01	0.04	0.02
18	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.0	0.0	0.01	0.08	0.02
19	0.02	0.01	0.01	0.02	0.02	0.01	0.01	0.0	0.0	0.01	0.01	0.02
20	0.02	0.02	0.22	0.34	0.01	0.01	0.01	0.0	0.0	0.01	0.01	0.01
21	0.02	0.02	0.04	0.02	0.01	0.01	0.0	0.0	0.0	0.68	0.01	0.01
22	0.02	0.02	0.02	0.01	0.01	0.01	0.0	0.0	0.0	0.13	0.01	0.01
23	0.02	0.02	0.04	0.01	0.02	0.02	0.0	0.0	0.01	0.01	0.01	0.01
24	0.02	0.02	0.02	0.01	0.01	0.02	0.0	0.01	0.0	0.01	0.01	0.01
25	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.0	0.01	0.01	0.01
26	0.02	0.01	0.02	0.02	0.01	0.02	0.0	0.0	0.0	0.01	0.02	0.01
27	0.02	0.01	0.02	1.34	0.01	0.02	0.0	0.0	0.0	0.01	0.02	0.01
28	0.02	0.01	0.02	0.02	0.01	0.01	0.0	0.0	0.0	0.01	0.02	0.01
29	0.02	0.02	0.02	0.02	0.05	0.01	0.0	0.0	0.0	0.01	0.02	0.02
30	0.02		0.02	0.05	0.02	0.01	0.0	0.0	0.0	2.99	0.02	0.02
31	0.02		0.02		0.01		0.0	0.0		3.30		0.01
MEAN	0.0284	0.0176	0.0241	0.0829	0.0577	0.0113	0.0092	0.0021	0.0036	0.2328	0.0385	0.0165
INCHES	0.058	0.034	0.049	0.164	0.118	0.022	0.019	0.004	0.007	0.477	0.076	0.034
STA AV	0.037	0.035	0.041	0.181	0.208	0.166	0.069	0.032	0.179	0.198	0.064	0.054

Station Averages: 6 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.06606.

1973 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED [illegible]

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.04	0.04	0.22	0.17	1.70	0.30	0.15	0.14	0.14	0.11	[illegible]
2	0.01	0.03	0.04	0.74	0.17	10.19	0.28	0.13	0.11	0.14	0.10	0.[illegible]
3	0.18	0.03	0.05	0.25	0.17	1.50	0.33	0.13	0.11	0.13	0.10	0.22
4	0.01	0.04	0.04	0.20	0.17	11.15	0.29	0.12	0.11	0.23	0.11	0.22
5	0.01	0.04	0.04	0.20	0.17	1.52	0.28	0.12	0.14	0.13	0.10	0.22
6	0.01	0.04	0.72	0.20	0.45	0.46	0.28	0.12	0.40	0.15	0.11	0.20
7	0.01	0.05	0.06	0.20	0.15	0.38	0.28	0.12	0.12	0.13	0.11	0.20
8	0.01	0.04	0.08	0.24	0.15	0.33	0.28	0.11	0.12	0.13	0.10	0.20
9	0.01	0.04	0.07	0.20	0.15	0.33	0.28	0.25	0.11	0.13	0.10	0.18
10	0.01	0.04	0.87	0.20	0.13	0.30	0.30	0.18	0.10	0.13	0.10	0.18
11	0.01	0.04	0.10	0.18	0.13	0.35	0.28	0.20	0.11	0.41	0.10	0.18
12	0.01	0.04	0.10	0.18	0.13	0.40	0.28	0.18	0.79	0.31	0.11	0.17
13	0.02	0.04	0.12	0.23	0.13	0.40	0.40	0.17	0.15	0.13	0.10	0.11
14	0.02	0.04	0.09	0.20	0.13	0.40	0.33	0.17	0.10	0.13	0.10	0.10
15	0.02	0.04	0.08	0.76	0.13	0.35	0.28	0.20	0.10	0.13	0.09	0.09
16	0.05	0.04	0.09	0.22	0.13	0.75	0.28	0.24	0.10	0.13	0.10	0.09
17	0.03	0.04	0.09	0.20	0.13	0.35	0.28	0.18	0.13	0.12	0.10	0.10
18	0.02	0.05	0.10	0.20	0.13	0.80	0.26	0.17	0.11	0.12	0.09	0.10
19	0.02	0.04	0.10	0.61	0.12	1.31	0.24	0.17	0.11	0.12	5.30	0.09
20	0.02	0.04	0.09	0.20	0.12	0.33	0.30	0.15	0.10	0.12	0.11	0.09
21	0.19	0.04	0.10	0.20	0.12	0.33	0.26	0.12	0.10	0.12	0.10	0.10
22	0.02	0.04	0.10	0.22	0.77	0.33	2.43	0.12	0.11	0.12	0.10	0.10
23	0.02	0.04	2.09	0.20	0.46	0.30	0.35	0.12	0.10	0.12	0.11	0.10
24	0.02	0.04	4.24	0.20	21.11	0.30	0.18	0.11	0.10	0.11	1.35	0.09
25	0.04	0.04	0.69	0.18	0.57	0.33	0.17	0.11	0.11	0.11	0.20	0.09
26	0.19	0.04	0.24	0.18	0.24	0.33	0.17	0.11	0.93	0.12	0.20	0.09
27	0.04	0.04	0.24	0.18	0.22	0.30	0.12	0.11	0.30	0.47	0.22	0.09
28	0.02	0.04	0.24	0.18	0.22	0.33	0.12	0.11	0.12	0.10	0.22	0.09
29	0.03		0.22	0.18	0.20	0.33	0.12	0.11	0.12	0.11	0.22	0.08
30	0.04		0.24	0.18	0.29	0.30	0.18	0.11	0.12	0.11	0.22	0.09
31	0.04		0.22		3.06		0.15	0.11		0.11		0.08
MEAN	0.0370	0.0400	0.3739	0.2342	0.9815	1.2158	0.3243	0.1454	0.1791	0.1530	0.3401	0.1335
INCHES	0.076	0.074	0.766	0.464	2.010	2.409	0.664	0.298	0.355	0.313	0.674	0.273
STA AV	0.043	0.041	0.145	0.222	0.466	0.486	0.154	0.070	0.204	0.214	0.151	0.085

Station Averages: 7 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.06606.

1974 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

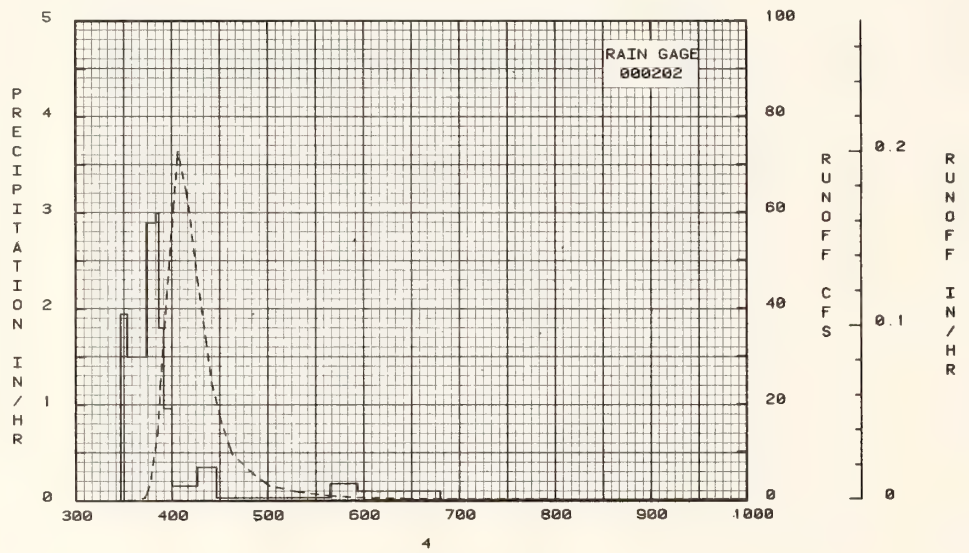
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.09	0.08	0.09	0.06	2.77	0.11	0.07	0.04	0.04	0.06	0.06	0.07
2	0.08	0.08	0.09	0.06	0.21	0.10	0.07	0.04	0.11	0.03	0.12	0.07
3	0.08	0.08	0.09	0.05	0.16	0.11	0.07	0.04	0.05	0.04	0.27	0.08
4	0.09	0.08	0.09	0.04	0.13	0.11	0.08	0.04	0.05	0.04	0.06	0.08
5	0.10	0.09	0.09	0.04	0.13	0.11	0.07	0.04	0.05	0.04	0.06	0.08
6	0.10	0.08	0.09	0.05	0.13	0.22	0.06	0.05	0.04	0.04	0.06	0.08
7	0.10	0.08	0.09	0.05	0.15	0.11	0.06	0.04	0.04	0.04	0.05	0.08
8	0.09	0.08	0.10	0.04	0.15	0.11	0.05	0.04	0.04	0.04	0.06	0.07
9	0.08	0.08	0.08	0.06	0.15	0.10	0.05	0.49	0.04	0.04	0.07	0.07
10	0.08	0.08	0.69	0.08	0.15	0.10	0.05	1.52	0.04	0.04	0.08	0.08
11	0.08	0.08	0.19	0.57	0.13	0.19	0.04	0.06	0.04	0.04	0.06	0.09
12	0.08	0.08	0.08	0.08	0.13	0.09	0.04	0.06	0.04	0.05	0.06	0.06
13	0.09	0.08	0.08	0.07	0.15	0.10	0.04	0.05	0.04	0.04	0.07	0.06
14	0.09	0.08	0.08	0.07	0.13	0.09	0.04	0.04	0.04	0.06	0.06	0.06
15	0.08	0.09	0.08	0.07	0.13	0.09	0.04	0.04	0.08	0.06	0.07	0.06
16	0.08	0.08	0.08	0.07	0.13	0.09	0.04	0.04	0.09	0.06	0.07	0.06
17	0.08	0.08	0.08	0.08	0.12	0.10	0.04	0.04	0.05	0.06	0.07	0.06
18	0.08	0.10	0.08	0.08	0.12	0.09	0.04	0.04	0.05	0.06	0.07	0.05
19	0.08	0.08	0.08	0.08	0.11	0.09	0.04	0.04	0.06	0.05	0.08	0.05
20	0.08	0.12	0.09	0.09	0.11	0.09	0.03	0.04	0.06	0.05	0.08	0.05
21	0.09	0.48	0.07	0.08	0.12	0.08	0.03	0.04	0.04	0.05	0.08	0.05
22	0.10	0.09	0.07	0.08	0.11	0.09	0.02	0.04	0.04	0.05	0.08	0.05
23	0.10	0.08	0.07	0.08	0.11	0.08	0.03	0.04	0.04	0.05	0.08	0.05
24	0.10	0.08	0.06	0.08	0.11	0.08	0.03	0.04	0.12	0.10	0.08	0.05
25	0.10	0.08	0.07	0.08	0.25	0.08	0.03	0.04	0.06	0.07	0.08	0.05
26	0.10	0.09	0.07	0.09	0.12	0.08	0.02	0.04	0.04	0.04	0.08	0.05
27	0.10	0.09	0.06	0.09	0.11	0.08	0.02	0.05	0.04	0.04	0.08	0.05
28	0.09	0.09	0.06	0.08	0.11	0.08	0.02	0.04	0.06	0.51	0.08	0.05
29	0.08		0.06	4.17	0.11	0.07	0.03	0.04	0.06	0.04	0.08	0.05
30	0.08		0.06	0.28	0.11	0.07	0.04	0.04	0.06	1.87	0.08	0.05
31	0.08		0.06		0.14		0.03	0.04		0.11		0.06
MEAN	0.0877	0.0981	0.0974	0.2299	0.2188	0.0967	0.0424	0.1047	0.0538	0.1250	0.0796	0.0619
INCHES	0.180	0.181	0.200	0.456	0.448	0.192	0.087	0.214	0.107	0.256	0.158	0.127
STA AV	0.060	0.058	0.152	0.251	0.463	0.449	0.146	0.088	0.192	0.220	0.152	0.090

Station Averages: 8 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.06606.

1968 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 4, 1968							
RG 000202			RG 000202							
9- 4	0.02	0.013	9- 4	328	0.0	0.0	9- 4	323	0.040	0.0
				332	1.9500	0.13		337	0.130	0.0001
				344	1.5000	0.43		343	0.670	0.0002
				350	2.9000	0.72		346	3.130	0.0004
				352	3.0000	0.82		351	14.240	0.0024
WATERSHED CONDITIONS:										
100% used for pasture or				355	1.8000	0.91		353	25.560	0.0042
range. Approximately 25%				400	0.9600	0.99		356	39.290	0.0087
is severly eroded, but these				416	0.1500	1.03		401	61.100	0.0202
gullies are healing with				428	0.3500	1.10		404	72.900	0.0294
tall grasses.				517	0.0245	1.12		410	62.970	0.0481
				539	0.0273	1.13		416	46.250	0.0632
				556	0.1765	1.18		422	32.180	0.0739
				648	0.0923	1.26		425	24.490	0.0778
								431	16.350	0.0835
								438	9.540	0.0876
								452	5.230	0.0924
								501	3.030	0.0941
								518	1.790	0.0960
								538	0.970	0.0972
								556	0.560	0.0979
								626	0.260	0.0984
								701	0.170	0.0988
								737	0.100	0.0990
								830	0.060	0.0992
								1030	0.020	0.0994

Conversion Factor: CFS to IN/HR, multiply by 0.00275253.



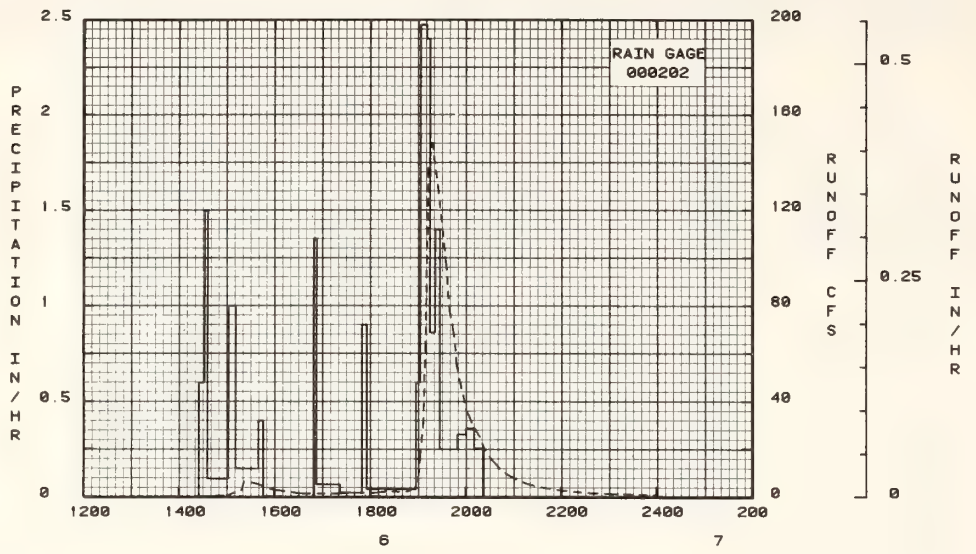
EVENT OF SEPTEMBER 4, 1968

CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5142 NEAR MIDDLEBERG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MAY 6, 1969						
SG 000202				SG 000202						
5- 4	0.0	0.001	5- 6	1425	0.0	0.0	5- 6	1416	0.040	0.0
				1432	0.6000	0.07		1428	0.110	0.0000
				1436	1.5000	0.17		1440	0.260	0.0001
				1502	0.0523	0.21		1456	0.460	0.0004
				1511	1.0000	0.36		1503	0.920	0.0006
WATERSHED CONDITIONS:										
100% used for pasture or range. Approximately 25% is severly eroded, but these gullies are healing with tall grasses.				1540	0.1448	0.43		1510	1.790	0.0011
				1546	0.4000	0.47		1519	2.940	0.0020
				1649	0.0	0.47		1522	6.550	0.0027
				1653	1.3500	0.56		1537	5.510	0.0068
				1722	0.0621	0.59		1546	4.460	0.0089
				1750	0.0214	0.60		1556	3.130	0.0106
				1756	0.9000	0.69		1613	2.320	0.0128
				1858	0.0387	0.73		1630	1.520	0.0143
				1903	0.6000	0.78		1645	1.220	0.0152
				1911	2.4750	1.11		1719	1.460	0.0173
				1915	2.4000	1.27		1734	1.790	0.0184
				1922	0.8571	1.37		1804	1.650	0.0208
				1928	1.4000	1.51		1819	2.320	0.0222
				1950	0.2455	1.60		1846	2.900	0.0248
				2001	0.3273	1.66		1856	3.760	0.0262
				2011	0.3600	1.72		1901	8.220	0.0275
				2023	0.2500	1.77		1904	19.860	0.0295
								1907	30.130	0.0329
								1910	64.890	0.0394
								1913	137.980	0.0534
								1918	148.380	0.0862
								1926	126.880	0.1367
								1931	111.870	0.1641
								1936	94.720	0.1878
								1940	77.850	0.2036
								1946	66.840	0.2235
								1949	55.060	0.2319
								1955	45.220	0.2457
								2001	36.070	0.2569
								2008	30.940	0.2677
								2018	24.840	0.2805
								2025	19.240	0.2875
								2033	15.280	0.2939
								2043	11.640	0.3000
								2052	9.340	0.3044
								2104	7.190	0.3089
								2116	5.510	0.3124
								2126	4.460	0.3147
								2146	3.230	0.3182
								2207	2.400	0.3210
								2237	1.520	0.3237
								2310	1.060	0.3256
								2330	0.870	0.3265
								2400	0.630	0.3275

Conversion Factor: CFS to IN/HR, multiply by 0.00275253.



EVENT OF MAY 6, 1969

CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

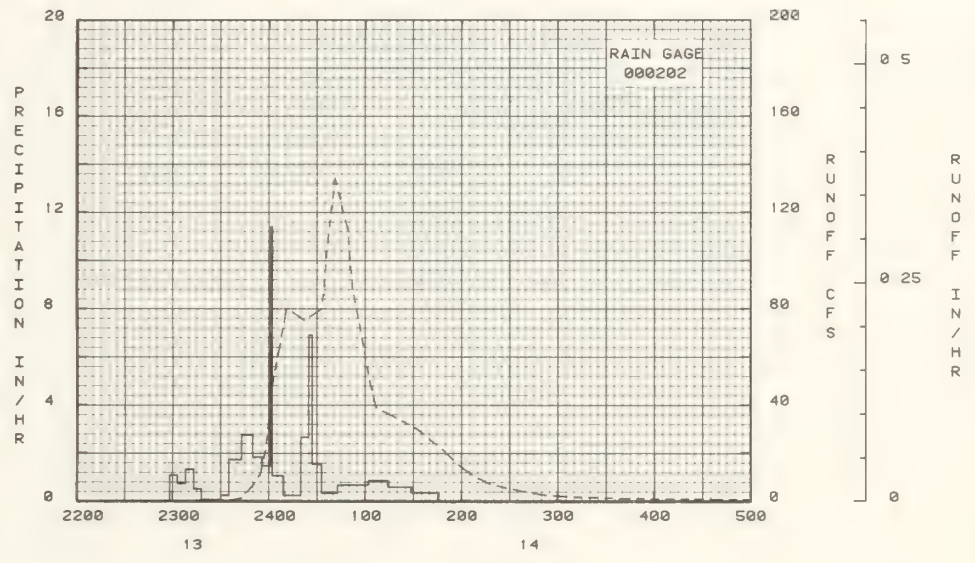
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 13 - 14, 1969							
RG 0C0202				RG 000202						
6-13	0.28	0.006	6-13	2258	0.0	0.0	6-13	2306	0.120	0.0
				2303	1.0800	0.09		2318	0.300	0.0001
				2308	0.7200	0.15		2337	0.430	0.0004
				2313	1.3200	0.26		2343	1.340	0.0007
				2318	0.4800	0.30		2346	3.760	0.0010
WATERSHED CONDITIONS:										
100% used for pasture or				2330	0.0500	0.31		2351	7.360	0.0023
range. Approximately 25%				2335	0.2400	0.33		2355	12.090	0.0041
is severly eroded, but these				2343	1.7250	0.56		2358	21.120	0.0064
gullies are healing with				2350	2.7429	0.88		2400	33.450	0.0089
tall grasses.				2356	1.8000	1.06	6-14	3	51.660	0.0147
			6-14	1	1.4400	1.18		7	65.530	0.0255
				2	11.4000	1.37		11	80.030	0.0388
				9	1.0286	1.49		22	75.000	0.0780
				20	0.2182	1.53		33	80.030	0.1171
				25	2.6400	1.75		37	110.970	0.1346
				27	6.9000	1.98		41	134.210	0.1571
				33	1.5000	2.13		49	112.430	0.2024
				43	0.3000	2.18		52	88.250	0.2162
				102	0.6632	2.39		58	67.570	0.2376
				114	0.8500	2.56		103	49.080	0.2510
				129	0.5600	2.70		107	38.560	0.2590
				146	0.3176	2.79		119	34.520	0.2792
								133	29.550	0.2997
								141	25.040	0.3097
								149	20.990	0.3182
								155	16.800	0.3234
								201	13.410	0.3276
								207	10.690	0.3309
								218	6.960	0.3353
								228	5.170	0.3381

Conversion Factor: CFS to IN/HR, multiply by 0.00275253.

1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 13 - 14, 1969 (CONTINUED)							
							6-14	240	3.700	0.3405
								253	2.270	0.3423
								306	1.670	0.3435
								325	1.180	0.3447
								345	0.830	0.3457
								408	0.710	0.3465
								438	0.560	0.3473
								506	0.460	0.3480
								545	0.380	0.3487
								636	0.280	0.3495
								725	0.220	0.3501

Conversion Factor: CFS to IN/HR, multiply by 0.00275253.



EVENT OF JUNE 13 - 14, 1969

CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

1970 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5142 NEAR MIDDLEBURG

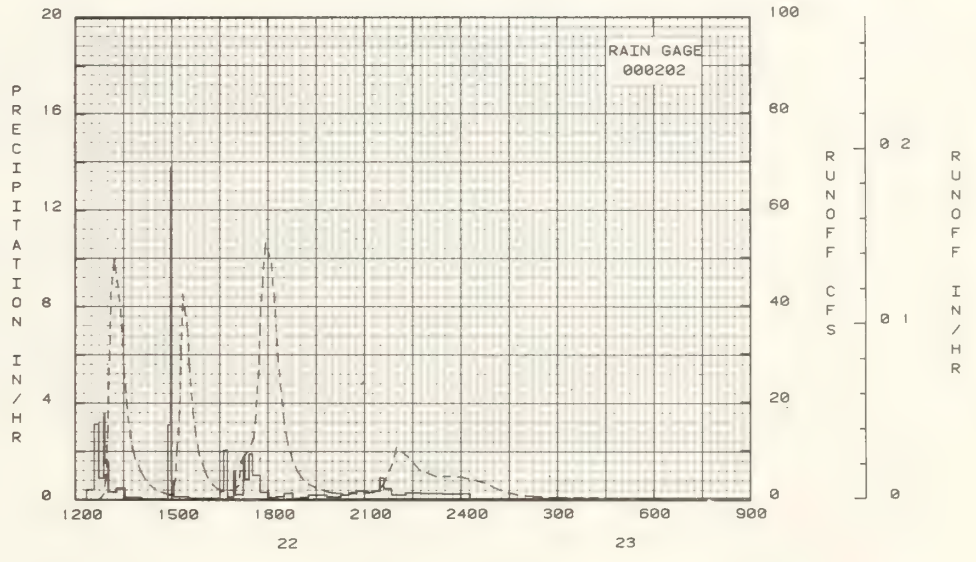
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF SEPTEMBER 22 - 23, 1970						
	RG 000202			RG 000202						
9-22	0.53	0.001	9-22	1221	0.0	0.0	9-22	1219	0.020	0.0
				1235	0.4286	0.10		1241	0.070	0.0001
				1243	3.1500	0.52		1248	0.380	0.0001
				1253	0.9000	0.67		1253	1.390	0.0003
				1255	3.6000	0.79		1258	5.370	0.0011
WATERSHED CONDITIONS:										
100% used for pasture or				1302	1.5429	0.97		1301	15.470	0.0025
range. Approximately 25%				1317	0.3200	1.05		1304	31.080	0.0057
is severly eroded, but these				1333	0.4875	1.18		1307	43.220	0.0108
gullies are healing with				1403	0.1000	1.23		1313	49.950	0.0237
tall grasses.				1453	0.0360	1.26		1325	39.360	0.0482
				1458	3.1200	1.52		1331	26.830	0.0574
				1459	13.8000	1.75		1337	18.830	0.0636
				1504	0.7200	1.81		1343	12.730	0.0680
				1532	0.1071	1.86		1352	8.390	0.0723
				1630	0.0517	1.91		1401	6.230	0.0753
				1637	0.3429	1.95		1411	4.100	0.0777
				1644	2.0571	2.19		1419	3.030	0.0790
				1656	0.1000	2.21		1428	2.230	0.0801
				1659	1.2000	2.27		1441	1.520	0.0812
				1714	0.2000	2.32		1458	0.910	0.0822
				1717	1.8000	2.41		1504	2.150	0.0826
				1725	0.8250	2.52		1507	4.580	0.0831
				1731	1.9000	2.71		1510	10.530	0.0841
				1746	1.0000	2.96		1515	18.540	0.0874
				1802	0.3000	3.04		1518	30.280	0.0908
				1817	0.0800	3.06		1521	42.720	0.0958
				1831	0.1286	3.09		1530	35.250	0.1119
				1847	0.2625	3.16		1534	26.460	0.1176
				1902	0.0400	3.17		1540	18.250	0.1237
				1916	0.0857	3.19		1546	12.970	0.1280
				1931	0.2000	3.24		1552	8.940	0.1311
				1950	0.1895	3.30		1601	6.230	0.1342
				2016	0.0923	3.34		1608	4.330	0.1359
				2031	0.2000	3.39		1623	2.400	0.1382
				2045	0.3000	3.46		1636	1.710	0.1394
				2102	0.3529	3.56		1655	2.000	0.1411
				2116	0.3000	3.63		1706	3.030	0.1423
				2128	0.3500	3.70		1710	7.850	0.1433
				2136	0.9000	3.82		1722	10.110	0.1483
				2150	0.4286	3.92		1734	12.730	0.1546
				2217	0.1778	4.00		1738	17.670	0.1573
				2245	0.2786	4.13		1743	26.830	0.1624
				2326	0.2341	4.29		1746	36.620	0.1668
				2356	0.2200	4.40		1751	46.250	0.1763
			9-23	17	0.2286	4.48		1756	53.260	0.1877
								1807	48.880	0.2135
								1813	40.780	0.2258
								1819	29.890	0.2356
								1825	22.280	0.2427
								1831	15.470	0.2479
								1838	11.160	0.2522
								1846	8.210	0.2558
								1855	5.790	0.2587
								1907	3.980	0.2613
								1916	3.130	0.2628
								1928	2.400	0.2643
								1953	1.450	0.2665
								2019	1.110	0.2681
								2119	1.520	0.2717
								2136	3.130	0.2735
								2141	4.580	0.2744
								2152	7.340	0.2774
								2200	10.730	0.2807
								2223	8.570	0.2909
								2243	5.930	0.2975
								2313	4.710	0.3049
								2400	4.580	0.3149
							9-23	43	3.330	0.3227
								100	2.480	0.3250
								116	1.710	0.3265

Conversion Factor: CFS to IN/HR, multiply by 0.00275253.

1970 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 22 - 23, 1970 (CONTINUED)							
							9-23	128	1.280	0.3273
								146	0.790	0.3282
								207	0.530	0.3288
								231	0.330	0.3293
								255	0.240	0.3296
								319	0.170	0.3298
								349	0.120	0.3300
								445	0.080	0.3303
								531	0.050	0.3304
								634	0.040	0.3305
								752	0.020	0.3307
								943	0.020	0.3308

Conversion Factor: CFS to IN/HR, multiply by 0.00275253.



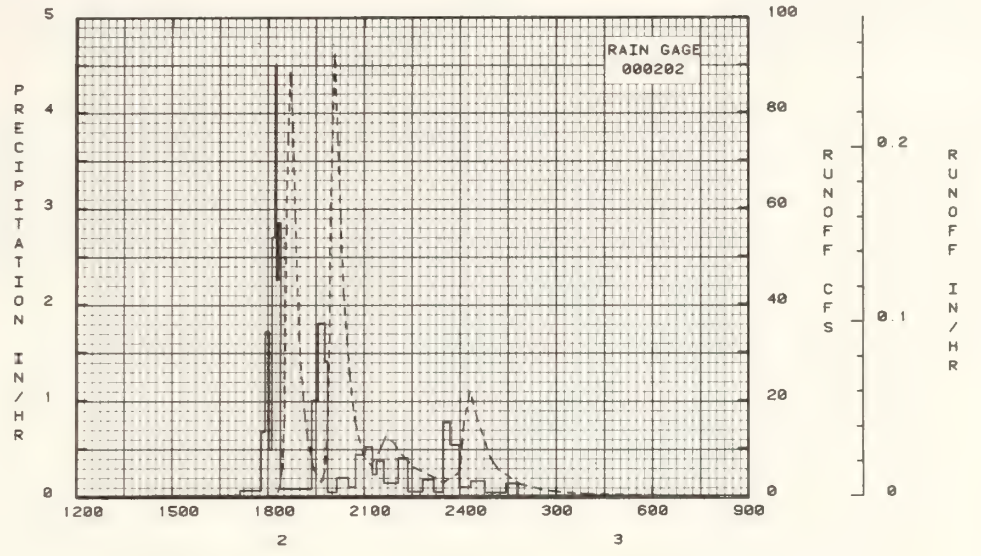
EVENT OF SEPTEMBER 22 - 23, 1970

CHICKASEA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

1971 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5142 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 2 - 3, 1971							
RG 000202			RG 000202							
10- 2	0.10	0.000	10- 2	1423	0.0	0.0	10- 2	1600	0.020	0.0
				1708	0.0145	0.04		1801	0.020	0.0001
				1747	0.0615	0.08		1815	0.130	0.0002
				1755	0.6750	0.17		1819	0.910	0.0003
				1802	1.7143	0.37		1823	2.660	0.0006
WATERSHED CONDITIONS: 100% used for pasture or range. Approximately 25% is severly eroded, but these gullies are healing with tall grasses.				1807	0.4800	0.41		1826	5.370	0.0011
				1813	2.7000	0.68		1831	15.470	0.0035
				1815	4.5000	0.83		1834	56.710	0.0085
				1819	2.2500	0.98		1837	75.970	0.0176
				1823	2.8500	1.17		1841	88.450	0.0327
				1922	0.0712	1.24		1846	77.360	0.0517
				1934	1.0000	1.44		1851	56.710	0.0671
				1946	1.8000	1.80		1858	32.310	0.0814
				1952	1.4000	1.94		1906	21.310	0.0912
				2009	0.0353	1.95		1910	15.470	0.0946
				2031	0.1909	2.02		1915	11.600	0.0977
				2044	0.0923	2.04		1925	6.080	0.1018
				2102	0.4333	2.17		1931	4.460	0.1032
				2116	0.5143	2.25		1940	2.840	0.1047
				2124	0.2250	2.32		1946	5.370	0.1059
				2137	0.3692	2.40		1952	15.470	0.1087
				2204	0.1333	2.46		1955	32.310	0.1120
				2222	0.4000	2.58		1956	56.710	0.1141
				2250	0.0429	2.60		2004	92.350	0.1414
				2311	0.1714	2.66		2010	74.580	0.1644
				2328	0.0353	2.67		2016	56.710	0.1825
				2342	0.7714	2.85		2022	40.780	0.1959
				2359	0.5294	3.00		2028	32.730	0.2060
			10- 3	20	0.0857	3.03		2034	23.970	0.2138
				47	0.1556	3.10		2043	15.470	0.2219
				126	0.0308	3.12		2101	7.850	0.2316
				149	0.1304	3.17		2113	6.380	0.2355
								2131	9.910	0.2422
								2141	12.500	0.2474
								2155	11.160	0.2550
								2215	8.030	0.2638
								2236	5.790	0.2704
								2313	3.760	0.2785
								2328	2.750	0.2808
								2355	4.710	0.2854
								2400	5.370	0.2865
							10- 3	4	10.530	0.2880
								8	15.470	0.2904
								19	21.950	0.2958
								34	15.470	0.3127
								58	7.680	0.3254
								113	5.370	0.3299
								152	2.480	0.3370
								233	1.280	0.3405
								255	0.910	0.3416
								358	0.380	0.3435

Conversion Factor: CFS to IN/HR, multiply by 0.00275253.



EVENT OF OCTOBER 2 - 3, 1971

CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

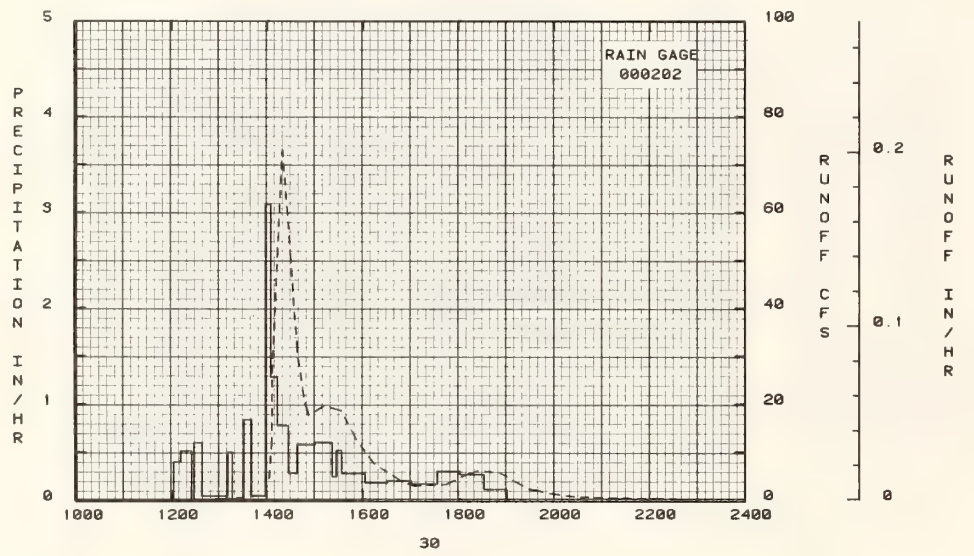
1972 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF OCTOBER 30, 1972						
	RG 000202			RG 000202						
10-30	0.20	0.000	10-30	1202	0.0	0.0	10-30	1007	0.010	0.0
				1211	0.4000	0.06		1215	0.020	0.0001
				1225	0.5143	0.16		1238	0.090	0.0002
				1228	0.0	0.18		1304	0.260	0.0004
				1238	0.6000	0.28		1322	0.430	0.0006
WATERSHED CONDITIONS: 100% used for pasture or range. Approximately 25% is severly eroded, but these gullies are healing with tall grasses.				1311	0.0364	0.30		1352	0.920	0.0016
				1317	0.5000	0.35		1358	1.520	0.0019
				1331	0.0	0.35		1403	4.710	0.0026
				1341	0.8400	0.49		1406	11.560	0.0037
				1358	0.0353	0.50		1407	28.150	0.0046
				1405	3.0857	0.86		1413	51.140	0.0156
				1413	1.2750	1.03		1419	73.140	0.0327
				1427	0.7714	1.21		1425	60.930	0.0511
				1438	0.2727	1.26		1430	49.520	0.0638
				1500	0.5727	1.47		1438	30.870	0.0785
				1522	0.6000	1.69		1446	21.510	0.0881
				1527	0.2400	1.71		1452	17.580	0.0935
				1534	0.5143	1.77		1511	19.640	0.1097
				1603	0.2690	1.90		1533	18.450	0.1290
				1631	0.1714	1.98		1552	12.460	0.1424
				1701	0.2000	2.08		1615	7.330	0.1529
				1734	0.1636	2.17		1649	3.760	0.1615
				1802	0.3000	2.31		1704	2.850	0.1638
				1832	0.2600	2.44		1746	3.230	0.1696
				1901	0.1034	2.49		1756	4.100	0.1713
								1810	5.230	0.1743
								1825	6.080	0.1782
								1853	5.500	0.1857
								1913	3.540	0.1898
								1930	2.080	0.1920

Conversion Factor: CFS to IN/HR, multiply by 0.00775253.

1972 SELECTED RUNOFF EVENT					CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG				
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 30, 1972 (CONTINUED)							
							10-30	1946	1.590	0.1933
								1958	1.170	0.1941
								2025	0.560	0.1952
								2110	0.260	0.1960
								2208	0.120	0.1965
								2301	0.080	0.1968
								2400	0.060	0.1970

Conversion Factor: CFS to IN/HR, multiply by 0.00275253.



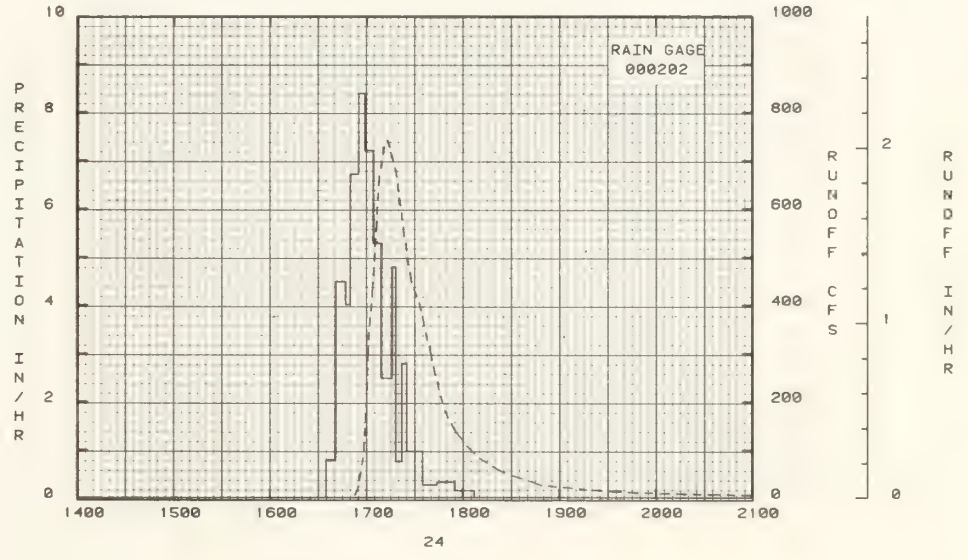
EVENT OF OCTOBER 30, 1972

CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKIAHOMA WATERSHED 5142 NEAR MIDDLEBUEC

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MAY 24, 1973						
RG 000202				RG 000202						
5-24	0.0	0.005	5-24	1635	0.0	0.0	5-24	1400	0.130	0.0
				1641	0.8000	0.08		1630	0.130	0.0009
				1647	4.5000	0.53		1646	0.260	0.0010
				1650	4.0000	0.73		1649	0.920	0.0011
				1655	6.7200	1.29		1653	6.860	0.0018
WATERSHED CONDITIONS: 100% used for pasture or range. Approximately 25% is severly eroded, but these gullies are healing with tall grasses.				1659	8.4000	1.85		1655	24.490	0.0033
				1704	7.2000	2.45		1658	84.500	0.0106
				1709	5.2800	2.89		1700	195.270	0.0236
				1716	2.4857	3.18		1701	314.158	0.0353
				1718	4.8012	3.34		1704	448.168	0.0877
				1722	0.7500	3.39		1706	558.628	0.1339
				1725	2.8000	3.53		1708	669.178	0.1903
				1730	0.9600	3.61		1711	728.770	0.2865
				1735	0.9600	3.69		1713	742.168	0.3539
				1744	0.2667	3.73		1718	680.120	0.5171
				1755	0.3273	3.79		1723	556.938	0.6589
				1807	0.1500	3.82		1728	446.708	0.7740
								1733	403.388	0.8715
								1736	356.990	0.9239
								1740	301.260	0.9843
								1743	254.110	1.0225
								1749	179.160	1.0821
								1755	139.630	1.1260
								1800	119.720	1.1557
								1804	101.670	1.1760
								1811	80.870	1.2053
								1819	63.560	1.2319
								1826	52.120	1.2504
								1837	39.130	1.2735
								1849	25.350	1.2912

Conversion Factor: CFS to IN/HR, multiply by 0.00275253.



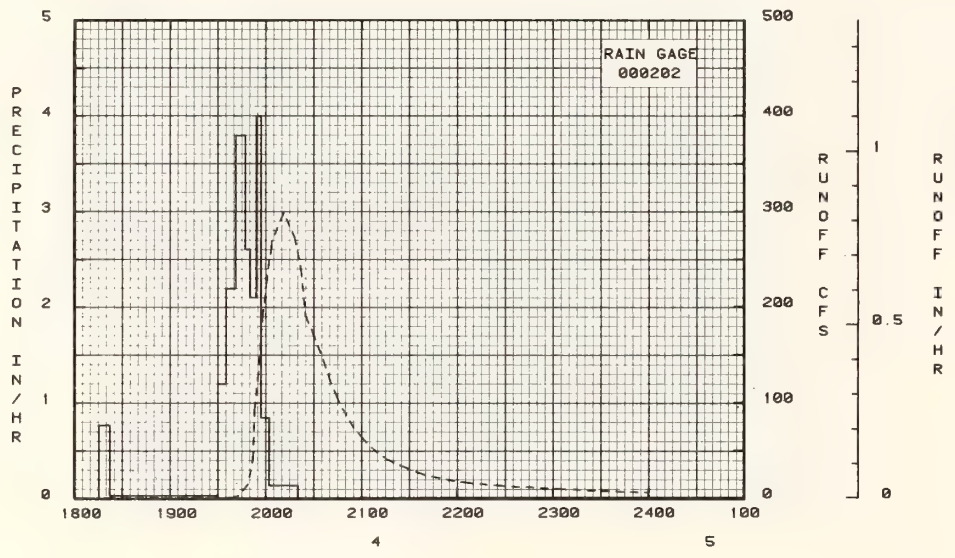
EVENT OF MAY 24, 1973

CHICKASBA, OKIAHOMA WATERSHED 5142 NEAR MIDDLEBURG

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKIAHOMA WATERSHED 5142 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 4, 1973							
RG 000202			RG 000202							
6- 4	0.0	0.030	6- 4	1815	0.0	0.0	6- 4	1810	0.400	0.0
				1822	0.7714	0.09		1825	0.590	0.0003
				1930	0.0265	0.12		1930	0.560	0.0021
				1935	1.2000	0.22		1938	0.920	0.0023
				1941	2.2000	0.44		1943	3.030	0.0028
WATERSHED CONDITIONS:										
100% used for pasture or				1947	3.8000	0.82		1949	15.340	0.0053
range. Approximately 25%				1950	2.6000	0.95		1952	41.540	0.0092
is severly eroded, but these				1954	2.1000	1.09		1953	93.320	0.0123
gullies are healing with				1957	4.0000	1.29		1955	125.490	0.0223
tall grasses.				2002	0.8400	1.36		1958	190.330	0.0441
				2020	0.1333	1.40		2001	233.490	0.0732
								2004	269.510	0.1078
								2011	298.658	0.1991
								2018	272.658	0.2908
								2022	239.270	0.3378
								2025	190.330	0.3673
								2031	166.080	0.4164
								2036	143.840	0.4519
								2041	119.720	0.4821
								2046	99.970	0.5073
								2055	73.650	0.5432
								2103	57.980	0.5673
								2110	47.710	0.5843
								2116	40.560	0.5965
								2130	29.940	0.6191
								2140	23.930	0.6315
								2149	20.590	0.6406
								2158	17.850	0.6486
								2210	15.340	0.6577
								2230	12.360	0.6704

Conversion Factor: CFS to IN/HR, multiply by 0.00275253.



EVENT OF JUNE 4, 1973

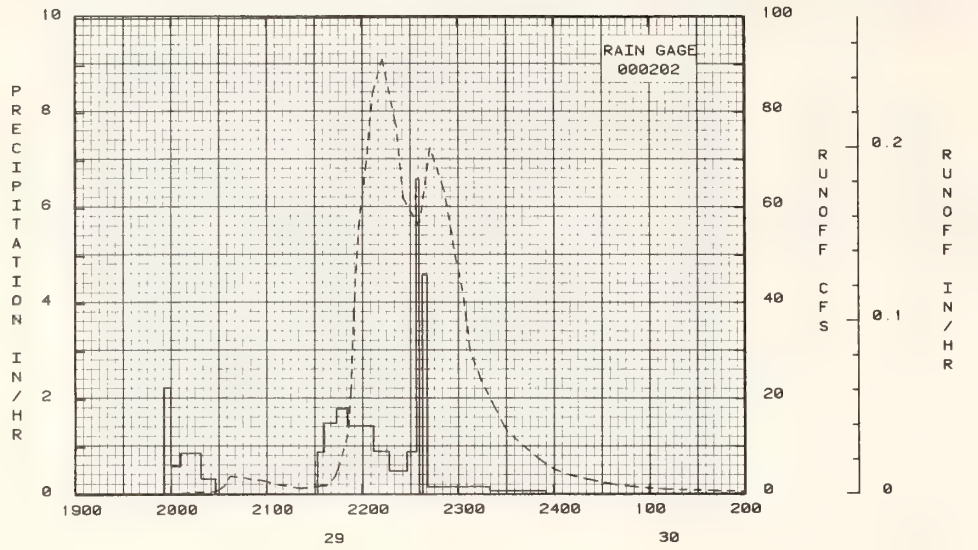
CHICKASHA, OKIAHOMA WATERSHED 5142 NEAR MIDDLEBURG

69.022-19

1974 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 29 - 30, 1974							
			RG 000202							
4-29	0.79	0.008	4-29	1956	0.0	0.0	4-29	1946	0.090	0.0
				2000	2.2500	0.15		1958	0.230	0.0001
				2006	0.6000	0.21		2007	0.480	0.0002
				2019	0.6769	0.40		2028	0.770	0.0008
				2028	0.3333	0.45		2034	2.060	0.0012
WATERSHED CONDITIONS:										
100% used for pasture or				2132	0.0034	0.46		2037	3.970	0.0016
range. Approximately 25%				2136	0.9000	0.52		2058	2.920	0.0050
is severly eroded, but these				2144	1.5000	0.72		2108	2.060	0.0061
gullies are healing with				2151	1.8000	0.93		2121	1.380	0.0071
tall grasses.				2159	1.4250	1.12		2138	2.060	0.0085
				2207	1.4250	1.31		2143	3.970	0.0092
				2217	0.9000	1.46		2146	6.710	0.0099
				2228	0.4909	1.55		2151	12.590	0.0121
				2234	0.9000	1.64		2153	21.540	0.0137
				2236	6.6016	1.86		2155	39.030	0.0164
				2238	0.0	1.86		2158	55.980	0.0230
				2241	4.6000	2.09		2203	69.880	0.0374
				2320	0.1538	2.19		2207	84.210	0.0516
				2355	0.0686	2.23		2213	91.200	0.0757
								2222	76.840	0.1104
								2226	62.060	0.1231
								2236	55.980	0.1502
								2243	72.620	0.1709
								2252	63.330	0.1989
								2258	51.390	0.2147
								2304	40.950	0.2274
								2308	29.850	0.2339
								2315	23.560	0.2425
								2325	16.970	0.2518
								2331	13.060	0.2559
								2348	8.060	0.2642
								2355	6.240	0.2665
								2400	5.230	0.2678
							4-30	10	3.970	0.2699
								23	2.920	0.2720
								36	2.060	0.2734
								53	1.380	0.2748
								110	1.000	0.2757
								140	0.610	0.2768
								208	0.480	0.2775
								246	0.340	0.2782
								401	0.230	0.2792
								543	0.180	0.2802
								713	0.150	0.2808

Conversion Factor: CFS to IN/HR, multiply by 0.00275253.



EVENT OF APRIL 29 - 30, 1974

CHICKASEA, OKLAHOMA WATERSHED 5142 NEAR MIDDLEBURG

69.022-21

LOCATION: Grady County, Okla.; small watershed near Highway 62 in the vicinity of Middleburg; tributary of East Bitter Creek; Washita River; Red River Basin. GAGING STATION--NE1/4 sec. 7, T. 7 N., R. 5 W., Lat. 35 deg. 05 min. 36 sec., Long. 97 deg. 45 min. 52 sec.

AREA: 485.80 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.45	1.17	1.95	2.43	4.32	2.38	3.99	1.21	3.35	2.33	4.32	1.12	31.02
1968	Q	0.017	0.016	0.057	0.069	0.101	0.112	0.093	0.000	0.049	0.026	0.057	0.041	0.639
	P	0.74	2.55	2.07	1.10	5.30	3.84	3.34	2.56	3.72	1.44	0.42	1.79	28.87
1969	Q	0.026	0.067	0.141	0.169	1.294	0.527	0.091	0.024	0.052	0.053	0.059	0.045	2.549
	P	0.10	0.72	2.22	2.30	3.94	1.05	1.25	2.17	7.38	3.01	1.11	0.35	25.60
1970	Q	0.058	0.018	0.031	0.038	0.106	0.007	0.0	0.0	0.152	0.019	0.002	0.002	0.433
	P	0.56	1.69	0.18	0.82	4.09	4.86	2.46	3.44	6.03	5.16	0.58	3.06	32.93
1971	Q	0.007	0.020	0.012	0.001	0.013	0.085	0.000	0.007	0.141	0.294	0.015	0.179	0.776
	P	0.14	0.60	1.04	4.16	3.03	1.05	1.22	1.55	1.03	8.48	2.36	0.75	25.41
1972	Q	0.074	0.076	0.069	0.124	0.155	0.015	0.005	0.0	0.0	0.253	0.122	0.046	0.939
	P	3.25	0.69	5.72	2.45	7.99	6.58	3.99	1.19	6.78	3.16	3.57	0.08	45.49
1973	Q	0.187	0.271	1.563	0.961	2.959	2.767	0.483	0.158	0.297	0.240	0.704	0.331	10.921
	P	0.14	1.87	1.83	4.65	3.10	1.11	0.52	4.62	3.49	5.14	1.63	1.54	29.64
1974	Q	0.214	0.233	0.319	0.399	0.842	0.126	0.002	0.042	0.044	0.200	0.173	0.181	2.724
STA AV	P	1.06	1.17	2.12	3.03	4.50	2.86	2.26	2.25	4.61	3.93	1.79	1.22	30.82
	Q	0.075	0.088	0.275	0.283	0.693	0.456	0.084	0.029	0.093	0.136	0.142	0.097	2.450

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1968	9- 4	0.055	9- 4	0.030	9- 4	0.037	9- 4	0.044	9- 3	0.048	9- 3	0.048	9- 3	0.048	5-31	0.071
1969	5- 6	0.244	5- 6	0.209	5- 6	0.321	5- 6	0.443	5- 6	0.492	5- 6	0.526	5- 6	0.565	5- 3	0.851
1970	9-22	0.063	9-22	0.041	9-22	0.058	9-22	0.110	9-22	0.145	9-22	0.152	9-21	0.152	9-21	0.152
1971	10- 2	0.123	10- 2	0.080	10- 2	0.114	10- 2	0.176	10- 2	0.217	10- 2	0.234	10- 2	0.262	10- 2	0.290
1972	10-30	0.038	10-30	0.030	10-30	0.045	10-31	0.099	10-31	0.147	10-31	0.187	10-30	0.270	10-30	0.291
1973	5-24	2.651	5-24	1.644	5-24	2.032	5-24	2.128	5-24	2.156	5-24	2.182	5-24	2.224	5-24	2.634
1974	4-29	0.054	5- 1	0.040	5- 1	0.071	5- 1	0.183	5- 1	0.309	5- 1	0.388	5- 1	0.432	4-29	0.733
			MAXIMUMS FOR PERIOD OF RECORD													
	5-24 1973	2.651	5-24 1973	1.644	5-24 1973	2.032	5-24 1973	2.128	5-24 1973	2.156	5-24 1973	2.182	5-24 1973	2.224	5-24 1973	2.634

Watershed Conditions: 100% used for pasture. There is a good mixture of tall intermediate, and short grasses. There is one farm pond in this watershed.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Pub. 1262, page 69.21-6. Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA Misc. Pub. 1216, page 69.7-21.
Precipitation: Records began Jan. 1967. Thiessen weighted average of 4 rain gages.
Runoff: Records began Jan. 1967.
Long-Term Precipitation: National Weather Service records at Chickasha, Oklahoma.

1968	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 5143 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.12	0.0	0.19	0.0	0.85	1.96	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.63	0.0
3	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	1.23	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	1.33	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0	1.14	0.0	0.0
6	0.03	0.0	0.0	0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.07	0.0	0.03	0.60	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.97	0.0	0.0
10	0.0	0.0	0.12	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.12	0.0
11	0.05	0.0	0.27	0.0	0.05	0.0	0.0	0.01	0.0	0.0	0.0	0.0
12	0.0	0.10	0.0	0.37	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.06
13	0.0	0.05	0.0	0.0	0.36	0.0	0.79	0.19	0.0	0.0	0.0	0.0
14	0.0	0.17	0.0	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.22	0.0
15	0.0	0.0	0.0	0.0	0.11	0.16	0.02	0.75	0.05	0.0	1.24	0.0
16	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.0	0.18	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0
18	1.46	0.0	0.17	0.80	0.0	0.0	0.67	0.0	0.0	0.0	0.0	0.22
19	0.09	0.0	0.78	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.04	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.16	0.26	0.0	0.18	0.41	0.0	0.0	0.0	0.0	0.04	0.0	0.24
22	0.06	0.09	0.06	0.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	1.17	0.05	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.31	0.0
27	0.38	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.60
28	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.22	0.0
29	0.07	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.11		0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.09	0.0
31	0.0		0.0		0.63		0.11	0.03		0.0		0.0
TOTAL	2.45	1.17	1.95	2.43	4.32	2.38	3.59	1.21	3.35	2.33	4.32	1.12
STA AV	2.45	0.64	1.96	4.36	4.29	2.21	2.67	1.25	4.24	2.54	2.31	1.11

Gaging: Thiesser weighted average of 4 rain gages.
Station Averages: 2 yr beginning 1967.

1969	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 5143 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.53	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.38	0.62	0.0	0.03	0.0
3	0.0	0.0	0.03	0.0	2.02	0.0	0.0	0.0	0.08	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.06	0.0	0.0	0.0
5	0.0	0.0	0.15	0.0	0.33	0.0	0.0	0.0	0.0	0.17	0.0	0.83
6	0.0	0.0	0.0	0.0	1.79	0.0	0.0	0.0	0.0	0.30	0.0	0.02
7	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.18	0.0	0.0	0.0
12	0.0	0.0	0.0	0.05	0.46	0.0	0.0	0.0	0.0	0.41	0.0	0.0
13	0.0	0.50	0.0	0.08	0.0	1.19	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	1.11	0.08	0.0	0.0	1.97	0.0	0.0	0.07	0.0	0.0	0.0
15	0.0	0.03	0.02	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.37	0.32	0.0	0.0	0.0	1.19	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0
19	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.60	0.0	0.0	0.0	0.0	2.64	0.0	0.0	0.0	0.0	0.09
21	0.0	0.25	0.0	0.0	0.0	0.0	0.05	0.0	0.73	0.03	0.0	0.0
22	0.0	0.0	0.30	0.0	0.0	0.0	0.04	0.64	0.85	0.06	0.0	0.0
23	0.0	0.05	1.02	0.13	0.0	0.0	0.0	0.08	0.0	0.16	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.01	0.51	1.00	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.52
29	0.66		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.0	0.29
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.04
31	0.07		0.0		0.0		0.10	0.0		0.0		0.0
TOTAL	0.74	2.55	2.07	1.10	5.30	3.84	3.34	2.56	3.72	1.44	0.42	1.79
STA AV	1.60	1.27	1.99	3.27	4.62	2.75	2.89	1.69	4.07	2.17	1.68	1.34

Gaging: Thiesser weighted average of 4 rain gages.
Station Averages: 3 yr beginning 1967.

1970 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.12	0.0	0.09	0.0	0.0	0.0	0.05	0.19	0.0
2	0.0	0.0	0.02	0.0	0.0	0.05	0.0	0.0	0.06	0.0	0.0	0.0
3	0.0	0.1	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.28	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.13	0.0	0.0
6	0.0	0.0	0.39	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.05	0.57	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.07	0.05	0.0	0.09	0.0	0.0	0.0
12	0.0	0.0	0.03	0.0	0.0	0.0	0.53	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.57	0.0	0.91	0.0
14	0.0	0.0	0.0	0.0	1.90	0.0	0.0	0.0	0.73	0.0	0.01	0.0
15	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.24
16	0.0	0.0	0.52	0.25	0.0	0.0	0.0	0.0	0.39	0.04	0.0	0.0
17	0.10	0.1	0.0	0.01	0.0	0.0	0.0	0.0	0.44	0.16	0.0	0.0
18	0.0	0.0	0.02	0.21	0.0	0.0	0.0	1.02	0.0	0.0	0.0	0.0
19	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.94	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.05	0.39	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
22	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.21	4.87	0.47	0.0	0.0
23	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.03	0.0	0.0
24	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
26	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0
27	0.0	0.13	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.15	0.59	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.43	1.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.02	0.36	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.03		0.0	0.0		0.0		0.0
TOTAL	0.10	0.72	2.22	2.30	3.94	1.05	1.25	2.17	7.38	3.01	1.11	0.35
STA AV	1.10	1.14	2.05	3.03	4.45	2.33	2.48	1.81	4.90	2.38	1.54	1.09

Gaging: Thiesser weighted average of 4 rain gages.
Station Averages: 4 yr beginning 1967.

1971 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0	0.0	0.02
2	0.10	0.0	0.05	0.0	0.0	0.88	0.0	0.0	0.0	2.99	0.0	0.53
3	0.46	0.0	0.0	0.0	0.01	0.74	0.0	0.0	0.0	0.16	0.0	0.08
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.09	0.0	0.0	0.0
7	0.0	0.04	0.0	0.0	0.0	0.96	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.84	0.0	0.06	0.04	0.41
9	0.0	0.0	0.0	0.0	0.71	0.22	0.05	0.0	0.0	0.0	0.0	0.13
10	0.0	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.19
11	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.77	0.0	0.06	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.78	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.26	0.0	0.0	0.0	1.14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.27	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	1.49	0.02	0.13	0.0
18	0.0	0.18	0.0	0.0	0.11	0.0	0.0	0.0	2.10	0.45	0.0	0.0
19	0.0	0.0	0.0	0.22	0.0	0.0	0.01	0.0	0.09	0.63	0.0	0.0
20	0.0	0.0	0.0	0.09	0.0	0.28	0.0	0.0	0.0	0.10	0.0	0.0
21	0.0	1.39	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.04	0.0	0.0	0.15	0.0	0.0	0.0	0.31	0.0
23	0.0	0.0	0.0	0.0	1.11	0.0	0.64	0.0	0.24	0.0	0.05	0.0
24	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	1.93	0.0	0.0	0.0
25	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0
26	0.0	0.0	0.0	0.05	0.85	0.0	0.0	0.0	0.0	0.73	0.0	0.0
27	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.03	0.0	0.0	0.0	0.05	0.73	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38
30	0.0		0.0	0.0	0.31	0.0	0.0	0.0	0.0	0.02	0.05	0.0
31	0.0		0.0		0.82		0.0	0.0		0.0		0.0
TOTAL	0.56	1.69	0.18	0.82	4.09	4.86	2.46	3.44	6.03	5.16	0.58	3.06
STA AV	0.96	1.25	1.68	2.59	4.38	2.83	2.48	2.13	5.12	2.94	1.35	1.48

Gaging: Thiesser weighted average of 4 rain gages.
Station Averages: 5 yr beginning 1967.

1972	DAILY PRECIPITATION (INCHES)					CHICKASHA, OKLAHOMA	WATERSHED 5143 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.03	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0
2	0.0	0.04	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.03	0.0	0.13	0.0	0.28	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
6	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.07	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.58	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
10	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.42	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.15
12	0.0	0.0	0.0	0.0	1.78	0.05	0.0	0.05	0.0	0.0	0.83	0.04
13	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.28	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	1.14	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.13	0.71	0.0
19	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.79	1.15	0.0	0.0	0.0	0.0	0.0	0.17	0.03	0.18
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.16	3.30	0.18	0.0
22	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.09	0.0	0.11	0.0	0.0
23	0.0	0.0	0.25	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.49	0.0	0.0	0.22	0.0
25	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.02	0.0
26	0.04	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
27	0.07	0.0	0.0	0.94	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.05	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.34
30	0.0		0.0	0.31	0.0	0.0	0.0	0.03	0.0	2.56	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		2.11		0.0
TOTAL	0.14	0.60	1.04	4.16	3.03	1.05	1.22	1.55	1.03	8.48	2.36	0.75
STA AV	0.80	1.14	1.57	2.85	4.16	2.54	2.27	2.04	4.44	3.86	1.52	1.36

Gaging: Thiessen weighted average of 4 rain gages.
Station Averages: 6 yr beginning 1967.

1973	DAILY PRECIPITATION (INCHES)					CHICKASHA, OKLAHOMA	WATERSHED 5143 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.09	0.0	0.0	0.61	0.0	0.0	0.43	0.0	0.0	0.0
2	0.42	0.0	0.0	0.35	0.0	1.75	0.0	0.0	0.0	0.0	0.0	0.0
3	0.73	0.0	0.16	0.05	0.0	0.0	0.0	0.0	0.13	0.29	0.0	0.08
4	0.0	0.0	0.0	0.0	0.0	1.46	0.0	0.0	0.14	0.37	0.0	0.0
5	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.64	0.23	0.0	0.0
6	0.32	0.0	1.04	0.0	0.67	0.0	0.0	0.0	1.38	0.09	0.06	0.0
7	0.15	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.01	0.0
8	0.0	0.0	0.13	0.38	0.0	0.0	0.0	0.0	0.20	0.0	0.02	0.0
9	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0
10	0.0	0.0	0.89	0.0	0.0	0.0	0.32	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.91	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.92	0.47	0.0	0.0
13	0.0	0.0	0.16	0.16	0.0	0.14	0.39	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.04	0.0	0.07	0.04	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.69	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.68	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.54	0.0	0.0	0.0
18	0.0	0.02	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.47	0.0	0.60	0.0	0.0	0.0	0.0	2.13	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.0	0.0	0.08	0.0
21	0.65	0.0	0.0	0.0	0.04	0.0	0.17	0.0	0.0	0.0	0.0	0.0
22	0.0	0.20	0.01	0.23	1.50	0.0	1.69	0.0	0.19	0.0	0.0	0.0
23	0.0	0.0	1.74	0.0	0.17	0.0	0.02	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	1.06	0.02	3.57	0.0	0.0	0.0	0.0	0.0	1.18	0.0
25	0.51	0.18	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.66	0.55	0.0	0.0
27	0.02	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.48	0.25	0.09	0.0
28	0.0	0.0	0.0	0.0	0.0	0.21	0.07	0.0	0.0	0.0	0.0	0.0
29	0.0		0.11	0.0	0.0	0.13	0.01	0.0	0.0	0.0	0.0	0.0
30	0.0		0.13	0.0	0.60	0.0	0.66	0.0	0.0	0.0	0.0	0.0
31	0.23		0.0		1.42		0.0	0.0		0.0		0.0
TOTAL	3.29	0.69	5.72	2.45	7.99	6.58	3.99	1.19	6.78	3.16	3.57	0.08
STA AV	1.21	1.07	2.16	2.79	4.70	3.11	2.51	1.92	4.77	3.76	1.81	1.18

Gaging: Thiessen weighted average of 4 rain gages.
Station Averages: 7 yr beginning 1967.

1974 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBERG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.0	0.0	0.0	1.34	0.0	0.0	0.26	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0	0.23	0.0
3	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.07	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.05	0.20	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
6	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.07	0.0	0.12	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.08	0.05	0.0
8	0.0	0.0	0.26	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
9	0.12	0.0	0.04	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.45	0.0
10	0.0	0.0	1.06	0.0	0.0	0.0	0.0	2.01	0.0	0.0	0.23	0.78
11	0.0	0.0	0.0	1.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.19	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0
15	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.84	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.01	0.0	0.0	0.0
18	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.01	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0
20	0.0	0.85	0.33	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0
21	0.0	0.70	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.11	0.89	0.0	0.0
25	0.0	0.0	0.0	0.0	0.98	0.0	0.0	0.0	0.14	0.39	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.07	0.0	0.0
27	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.54	0.0	0.13	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.06	0.0	0.0
29	0.0		0.0	3.10	0.0	0.0	0.32	0.0	0.0	0.0	0.09	0.0
30	0.0		0.0	0.06	0.0	0.0	0.0	0.0	0.0	1.80	0.0	0.18
31	0.0		0.0		0.58		0.0	0.0		0.26		0.23
TOTAL	0.14	1.87	1.83	4.65	3.10	1.11	0.52	4.62	3.49	5.14	1.63	1.54
STA AV	1.06	1.17	2.12	3.33	4.50	2.86	2.26	2.25	4.61	3.93	1.79	1.22

Gaging: Thiesset weighted average of 4 rain gages.
Station Averages: 8 yr beginning 1967.

1968 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBERG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.01	0.01	0.02	0.04	0.35	0.70	0.0	0.0	0.0	0.0	0.05
2	0.0	0.01	0.01	0.04	0.04	0.09	0.10	0.0	0.0	0.0	0.03	0.04
3	0.0	0.01	0.01	0.04	0.03	0.06	0.05	0.0	0.02	0.0	0.01	0.03
4	0.0	0.01	0.01	0.01	0.02	0.05	0.04	0.0	0.97	0.0	0.01	0.03
5	0.0	0.01	0.01	0.02	0.02	0.13	0.03	0.0	0.00	0.12	0.01	0.03
6	0.0	0.01	0.01	0.02	0.07	0.08	0.04	0.0	0.0	0.01	0.01	0.03
7	0.0	0.01	0.01	0.02	0.10	0.37	0.03	0.0	0.0	0.0	0.0	0.03
8	0.0	0.01	0.01	0.02	0.04	0.10	0.03	0.0	0.0	0.0	0.0	0.02
9	0.0	0.01	0.01	0.02	0.15	0.09	0.04	0.0	0.0	0.32	0.01	0.03
10	0.0	0.01	0.0	0.02	0.08	0.09	0.03	0.0	0.0	0.01	0.01	0.02
11	0.0	0.01	0.02	0.02	0.05	0.08	0.04	0.0	0.0	0.01	0.01	0.03
12	0.0	0.01	0.03	0.06	0.06	0.06	0.04	0.0	0.0	0.01	0.01	0.02
13	0.0	0.01	0.05	0.05	0.12	0.05	0.19	0.0	0.0	0.01	0.01	0.02
14	0.0	0.01	0.03	0.02	0.05	0.05	0.10	0.0	0.0	0.01	0.01	0.02
15	0.0	0.02	0.01	0.02	0.05	0.05	0.08	0.01	0.0	0.01	0.45	0.02
16	0.0	0.01	0.01	0.02	0.04	0.11	0.04	0.0	0.0	0.01	0.02	0.02
17	0.00	0.01	0.01	0.02	0.03	0.06	0.02	0.0	0.0	0.0	0.01	0.02
18	0.15	0.01	0.01	0.05	0.03	0.05	0.17	0.0	0.0	0.0	0.01	0.04
19	0.05	0.01	0.35	0.29	0.02	0.05	0.04	0.0	0.0	0.0	0.01	0.02
20	0.01	0.01	0.14	0.05	0.03	0.04	0.02	0.0	0.0	0.0	0.01	0.02
21	0.01	0.01	0.11	0.07	0.08	0.04	0.01	0.0	0.0	0.0	0.01	0.03
22	0.01	0.01	0.06	0.14	0.05	0.03	0.01	0.0	0.0	0.0	0.01	0.03
23	0.01	0.01	0.05	0.04	0.04	0.03	0.01	0.0	0.0	0.0	0.01	0.02
24	0.01	0.01	0.04	0.05	0.03	0.03	0.01	0.0	0.0	0.0	0.01	0.02
25	0.01	0.01	0.03	0.05	0.46	0.05	0.0	0.0	0.0	0.0	0.01	0.02
26	0.01	0.01	0.03	0.05	0.06	0.03	0.00	0.0	0.0	0.0	0.17	0.02
27	0.04	0.01	0.02	0.05	0.05	0.02	0.0	0.0	0.0	0.0	0.10	0.07
28	0.01	0.03	0.02	0.05	0.04	0.02	0.0	0.0	0.0	0.0	0.12	0.03
29	0.01	0.01	0.02	0.05	0.03	0.01	0.01	0.0	0.0	0.01	0.05	0.03
30	0.02		0.02	0.04	0.04	0.01	0.00	0.0	0.0	0.0	0.05	0.02
31	0.01		0.02		0.12		0.0	0.0		0.0		0.02
MEAN	0.0115	0.0112	0.0377	0.0470	0.0667	0.0760	0.0609	0.0003	0.0330	0.0171	0.0388	0.0272
INCHES	0.017	0.016	0.057	0.069	0.101	0.112	0.093	0.000	0.049	0.026	0.057	0.041
STA AV	0.015	0.010	0.032	0.285	0.088	0.060	0.046	0.000	0.028	0.015	0.029	0.022

Station Averages: 2 yr beginning 1967.
Conversion Factor: CPS to IN/DAY, multiply by 0.04899.

1969	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5143 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.02	0.01	0.04	0.15	0.08	0.42	0.05	0.01	0.01	0.02	0.04	0.03
2	0.03	0.01	0.08	0.13	0.08	0.26	0.04	0.04	0.05	0.02	0.04	0.02
3	0.03	0.01	0.10	0.15	2.01	0.23	0.04	0.02	0.02	0.02	0.04	0.02
4	0.03	0.01	0.07	0.17	0.49	0.23	0.03	0.03	0.02	0.02	0.04	0.02
5	0.03	0.01	0.08	0.15	0.79	0.23	0.02	0.04	0.01	0.03	0.04	0.08
6	0.03	0.01	0.08	0.13	9.70	0.19	0.02	0.02	0.01	0.05	0.04	0.06
7	0.03	0.01	0.07	0.13	1.54	0.17	0.02	0.02	0.01	0.05	0.04	0.03
8	0.02	0.01	0.07	0.13	0.62	0.17	0.01	0.01	0.01	0.02	0.04	0.03
9	0.01	0.01	0.06	0.12	0.54	0.15	0.01	0.01	0.01	0.02	0.04	0.03
10	0.01	0.01	0.06	0.10	0.54	0.15	0.01	0.01	0.01	0.02	0.05	0.03
11	0.01	0.01	0.06	0.10	0.51	0.13	0.01	0.00	0.01	0.02	0.05	0.02
12	0.02	0.01	0.06	0.10	0.88	0.13	0.01	0.0	0.01	0.04	0.04	0.02
13	0.02	0.02	0.06	0.12	0.54	0.18	0.00	0.0	0.01	0.03	0.04	0.03
14	0.01	0.27	0.06	0.12	0.50	4.91	0.0	0.0	0.01	0.02	0.03	0.02
15	0.01	0.11	0.06	0.10	0.50	0.67	0.0	0.00	0.01	0.02	0.04	0.03
16	0.01	0.05	0.06	0.10	0.51	0.54	0.0	0.01	0.21	0.02	0.04	0.02
17	0.01	0.04	0.06	0.15	0.55	0.43	0.0	0.0	0.02	0.02	0.05	0.03
18	0.01	0.03	0.06	0.10	0.47	0.28	0.0	0.0	0.02	0.03	0.04	0.02
19	0.01	0.03	0.06	0.10	0.43	0.18	0.0	0.0	0.02	0.03	0.03	0.02
20	0.01	0.16	0.05	0.10	0.43	0.15	0.60	0.0	0.01	0.04	0.04	0.02
21	0.01	0.12	0.05	0.09	0.40	0.13	0.71	0.0	0.07	0.05	0.04	0.03
22	0.01	0.08	0.06	0.09	0.37	0.12	0.04	0.0	0.14	0.05	0.04	0.03
23	0.01	0.07	0.57	0.09	0.37	0.12	0.02	0.02	0.18	0.05	0.04	0.02
24	0.01	0.06	0.10	0.09	0.34	0.10	0.02	0.0	0.04	0.05	0.04	0.02
25	0.01	0.06	0.09	0.09	0.34	0.10	0.07	0.15	0.03	0.05	0.03	0.02
26	0.01	0.06	0.10	0.16	0.31	0.09	0.05	0.02	0.03	0.05	0.06	0.02
27	0.01	0.05	0.10	0.12	0.54	0.09	0.02	0.02	0.02	0.05	0.05	0.02
28	0.01	0.04	0.12	0.09	0.62	0.08	0.02	0.02	0.02	0.05	0.04	0.02
29	0.07		0.12	0.09	0.58	0.07	0.01	0.01	0.02	0.05	0.03	0.05
30	0.02		0.12	0.09	0.50	0.06	0.01	0.01	0.02	0.05	0.03	0.05
31	0.01		0.13		0.34		0.02	0.01		0.05		0.05
MEAN	0.0174	0.0491	0.0926	0.1152	0.8523	0.3586	0.0598	0.0156	0.0357	0.0352	0.0401	0.0294
INCHES	0.026	0.067	0.141	0.169	1.294	0.527	0.091	0.024	0.052	0.053	0.059	0.045
STA AV	0.019	0.029	0.068	0.246	0.490	0.216	0.061	0.008	0.036	0.027	0.039	0.029

Station Averages: 3 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.04899.

1970	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5143 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.05	0.02	0.02	0.03	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0
2	0.05	0.01	0.02	0.02	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0
3	0.05	0.01	0.02	0.02	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0
4	0.05	0.02	0.01	0.02	0.01	0.06	0.0	0.0	0.0	0.0	0.0	0.0
5	0.05	0.01	0.01	0.02	0.01	0.02	0.0	0.0	0.0	0.15	0.0	0.0
6	0.05	0.01	0.06	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
7	0.05	0.01	0.04	0.01	0.01	0.01	0.0	0.0	0.0	0.03	0.0	0.0
8	0.05	0.01	0.02	0.02	0.02	0.0	0.0	0.0	0.0	0.20	0.0	0.0
9	0.05	0.01	0.02	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.05	0.01	0.02	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.05	0.02	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.05	0.01	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.05	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
14	0.05	0.01	0.01	0.01	1.00	0.0	0.0	0.0	0.0	0.0	0.04	0.0
15	0.05	0.01	0.01	0.02	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.01
16	0.04	0.01	0.03	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.01
17	0.03	0.01	0.02	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.03	0.01	0.01	0.04	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.03	0.01	0.02	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.04	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.04	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
22	0.04	0.02	0.01	0.01	0.0	0.0	0.0	0.0	2.82	0.00	0.0	0.01
23	0.04	0.02	0.01	0.01	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0
24	0.03	0.02	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.03	0.02	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.02	0.01	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.02	0.01	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.02	0.03	0.06	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.01		0.03	0.03	0.69	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.01		0.02	0.28	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.01		0.02		0.01		0.0	0.0		0.0		0.0
MEAN	0.0384	0.0132	0.0203	0.0259	0.0699	0.0045	0.0	0.0	0.1036	0.0122	0.0016	0.0012
INCHES	0.058	0.018	0.031	0.038	0.106	0.007	0.0	0.0	0.152	0.019	0.002	0.002
STA AV	0.029	0.027	0.059	0.194	0.394	0.163	0.046	0.006	0.065	0.025	0.030	0.022

Station Averages: 4 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.04899.

1971	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5143 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.01	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.01	0.01
2	0.0	0.0	0.01	0.0	0.0	0.16	0.00	0.0	0.0	3.53	0.01	0.02
3	0.04	0.01	0.01	0.0	0.0	1.05	0.0	0.0	0.0	1.36	0.01	0.03
4	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.01	0.03
5	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.02	0.03
6	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.01	0.02
7	0.01	0.0	0.01	0.0	0.0	0.06	0.0	0.0	0.0	0.01	0.0	0.02
8	0.01	0.0	0.01	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.01	0.06
9	0.01	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.04
10	0.01	0.0	0.01	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.01	0.06
11	0.01	0.0	0.01	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.01	0.02
12	0.01	0.0	0.01	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.01	0.02
13	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.02
14	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.01	1.95
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.49
16	0.0	0.01	0.01	0.00	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0.05
17	0.0	0.01	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.05
18	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	1.32	0.01	0.01	0.04
19	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.01	0.05
20	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.05	0.01	0.04
21	0.0	0.22	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.04
22	0.0	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.04
23	0.0	0.02	0.01	0.0	0.15	0.0	0.0	0.0	0.0	0.01	0.02	0.05
24	0.0	0.02	0.01	0.0	0.0	0.0	0.0	0.0	1.56	0.0	0.01	0.04
25	0.0	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.01	0.04
26	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.01	0.04
27	0.0	0.01	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.04	0.01	0.05
28	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.05
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.13
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.07
31	0.0		0.0		0.08		0.0	0.0		0.01		0.05
MEAN	0.0049	0.0147	0.0081	0.0007	0.0084	0.0578	0.0001	0.0046	0.0962	0.1936	0.0103	0.1181
INCHES	0.007	0.020	0.012	0.001	0.013	0.085	0.000	0.007	0.141	0.294	0.015	0.179
STA AV	0.025	0.025	0.050	0.156	0.318	0.148	0.037	0.006	0.081	0.079	0.027	0.054

Station Averages: 5 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.04899.

1972	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5143 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.05	0.07	0.05	0.03	0.06	0.04	0.0	0.0	0.0	0.0	0.66	0.03
2	0.05	0.06	0.05	0.03	0.05	0.03	0.05	0.0	0.0	0.0	0.11	0.03
3	0.05	0.06	0.05	0.03	0.05	0.03	0.04	0.0	0.0	0.0	0.05	0.04
4	0.03	0.06	0.04	0.03	0.05	0.02	0.01	0.0	0.0	0.0	0.03	0.04
5	0.03	0.07	0.03	0.03	0.05	0.02	0.00	0.0	0.0	0.0	0.03	0.03
6	0.05	0.06	0.04	0.03	0.09	0.02	0.0	0.0	0.0	0.0	0.04	0.02
7	0.05	0.04	0.04	0.02	0.08	0.03	0.0	0.0	0.0	0.0	0.02	0.02
8	0.06	0.05	0.02	0.02	0.06	0.01	0.0	0.0	0.0	0.0	0.03	0.02
9	0.05	0.05	0.03	0.03	0.06	0.01	0.0	0.0	0.0	0.0	0.03	0.02
10	0.05	0.05	0.03	0.03	0.05	0.01	0.0	0.0	0.0	0.0	0.02	0.02
11	0.05	0.06	0.03	0.03	0.05	0.01	0.0	0.0	0.0	0.0	0.02	0.02
12	0.05	0.06	0.04	0.02	1.11	0.01	0.0	0.0	0.0	0.0	0.20	0.02
13	0.04	0.08	0.03	0.02	0.21	0.02	0.0	0.0	0.0	0.0	0.14	0.02
14	0.04	0.07	0.04	0.02	0.12	0.02	0.0	0.0	0.0	0.0	0.04	0.02
15	0.04	0.05	0.03	0.28	0.09	0.01	0.0	0.0	0.0	0.0	0.03	0.02
16	0.04	0.05	0.04	0.04	0.08	0.01	0.0	0.0	0.0	0.0	0.04	0.02
17	0.05	0.05	0.05	0.03	0.08	0.0	0.0	0.0	0.0	0.0	0.03	0.02
18	0.06	0.05	0.04	0.03	0.07	0.0	0.0	0.0	0.0	0.0	0.14	0.04
19	0.05	0.05	0.04	0.04	0.07	0.0	0.0	0.0	0.0	0.0	0.05	0.04
20	0.05	0.05	0.18	0.39	0.06	0.0	0.0	0.0	0.0	0.0	0.04	0.05
21	0.05	0.05	0.10	0.07	0.06	0.0	0.0	0.0	0.0	0.16	0.06	0.04
22	0.05	0.04	0.04	0.05	0.06	0.0	0.0	0.0	0.0	0.07	0.07	0.03
23	0.05	0.06	0.05	0.04	0.06	0.0	0.0	0.0	0.0	0.0	0.07	0.04
24	0.05	0.05	0.06	0.04	0.05	0.01	0.0	0.0	0.0	0.0	0.08	0.03
25	0.04	0.05	0.04	0.04	0.04	0.01	0.0	0.0	0.0	0.0	0.09	0.04
26	0.05	0.03	0.05	0.05	0.03	0.0	0.0	0.0	0.0	0.0	0.09	0.03
27	0.05	0.04	0.04	0.83	0.03	0.0	0.0	0.0	0.0	0.0	0.10	0.03
28	0.05	0.05	0.03	0.07	0.04	0.0	0.0	0.0	0.0	0.0	0.09	0.03
29	0.05	0.05	0.03	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.07	0.05
30	0.06		0.03	0.11	0.06	0.0	0.0	0.0	0.0	1.61	0.03	0.05
31	0.07		0.03		0.05		0.0	0.0		3.32		0.03
MEAN	0.0487	0.0538	0.0452	0.0847	0.1019	0.0104	0.0032	0.0	0.0	0.1664	0.0832	0.0301
INCHES	0.074	0.076	0.069	0.124	0.155	0.015	0.005	0.0	0.0	0.253	0.122	0.046
STA AV	0.033	0.034	0.053	0.150	0.291	0.126	0.031	0.005	0.067	0.108	0.043	0.052

Station Averages: 6 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.04899.

1973	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5143 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.02	0.21	0.21	0.72	0.40	2.43	0.40	0.11	0.08	0.11	0.09	0.26
2	0.02	0.17	0.21	0.77	0.34	15.75	0.34	0.03	0.05	0.11	0.07	0.28
3	0.33	0.19	0.21	0.94	0.34	1.86	0.31	0.31	0.03	0.12	0.09	0.31
4	0.05	0.19	0.21	0.67	0.34	12.87	0.31	0.15	0.05	0.28	0.09	0.28
5	0.04	0.19	0.19	0.63	0.37	2.82	0.31	0.13	0.12	0.13	0.09	0.23
6	0.04	0.19	1.42	0.63	1.05	1.49	0.31	0.13	0.77	0.20	0.10	0.23
7	0.04	0.21	0.34	0.63	0.72	1.33	0.28	0.11	0.15	0.13	0.10	0.23
8	0.04	0.15	0.34	0.78	0.67	1.22	0.26	0.11	0.14	0.11	0.10	0.26
9	0.04	0.17	0.28	0.63	0.59	1.15	0.23	0.25	0.09	0.11	0.09	0.23
10	0.04	0.19	2.48	0.59	0.47	1.03	0.28	0.11	0.07	0.10	0.09	0.23
11	0.04	0.19	0.56	0.59	0.34	1.15	0.28	0.11	0.07	0.57	0.10	0.23
12	0.04	0.23	0.44	0.55	0.28	0.98	0.23	0.10	0.33	0.46	0.10	0.23
13	0.04	0.23	0.51	0.59	0.26	0.89	0.29	0.10	0.42	0.28	0.11	0.23
14	0.04	0.19	0.40	0.55	0.26	0.72	0.31	0.09	0.10	0.19	0.11	0.23
15	0.04	0.19	0.40	1.35	0.26	0.63	0.23	0.25	0.09	0.15	0.10	0.21
16	0.07	0.19	0.37	0.83	0.19	0.99	0.21	0.22	0.09	0.13	0.10	0.19
17	0.10	0.21	0.40	0.59	0.19	0.63	0.19	0.10	0.19	0.11	0.10	0.21
18	0.07	0.23	0.40	0.59	0.19	0.88	0.17	0.09	0.11	0.11	0.11	0.23
19	0.07	0.21	0.40	1.07	0.19	1.55	0.19	0.09	0.10	0.11	2.00	0.16
20	0.09	0.19	0.37	0.63	0.19	0.77	0.23	0.07	0.10	0.10	4.09	0.17
21	0.39	0.19	0.34	0.59	0.13	0.67	0.38	0.07	0.09	0.09	1.36	0.21
22	0.15	0.21	0.37	0.65	0.42	0.63	0.94	0.06	0.12	0.09	0.47	0.21
23	0.15	0.23	3.38	0.59	1.11	0.55	1.17	0.06	0.10	0.06	0.26	0.23
24	0.15	0.21	8.51	0.55	43.80	0.55	0.40	0.05	0.10	0.03	1.76	0.21
25	0.20	0.19	3.55	0.51	1.16	0.51	0.26	0.04	0.10	0.03	1.11	0.19
26	0.53	0.21	1.09	0.51	0.67	0.47	0.23	0.03	0.99	0.03	0.47	0.19
27	0.21	0.19	0.98	0.47	0.55	0.47	0.19	0.01	0.79	0.18	0.34	0.19
28	0.17	0.19	0.92	0.47	0.47	0.51	0.19	0.05	0.29	0.04	0.26	0.19
29	0.19		0.87	0.47	0.31	0.51	0.19	0.02	0.19	0.28	0.26	0.19
30	0.19		0.92	0.47	0.23	0.44	0.32	0.14	0.15	0.38	0.26	0.19
31	0.21		0.82		3.89		0.25	0.05		0.09		0.13
MEAN	0.1230	0.1979	1.0289	0.6537	1.9481	1.8822	0.3182	0.1041	0.2017	0.1582	0.4793	0.2180
INCHES	0.187	0.271	1.563	0.961	2.959	2.767	0.483	0.158	0.297	0.240	0.704	0.331
STA AV	0.055	0.068	0.268	0.266	0.672	0.503	0.096	0.027	0.100	0.127	0.137	0.092

Station Averages: 7 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.04899.

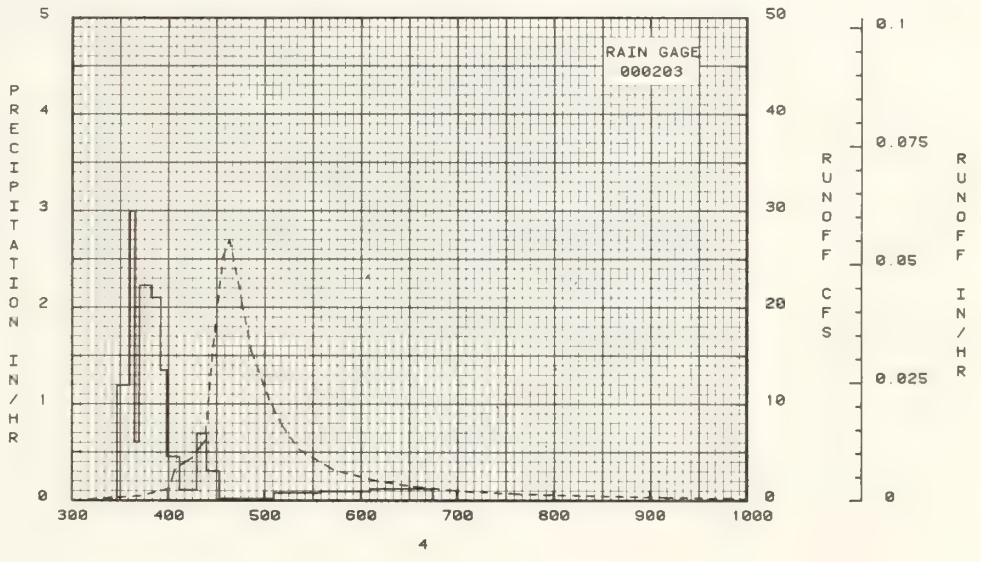
1974	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5143 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.13	0.13	0.15	0.21	4.91	0.17	0.01	0.0	0.0	0.03	0.20	0.05
2	0.13	0.11	0.15	0.19	3.71	0.13	0.01	0.0	0.11	0.03	0.25	0.04
3	0.13	0.11	0.15	0.19	0.57	0.13	0.0	0.0	0.02	0.04	0.65	0.04
4	0.13	0.11	0.15	0.17	0.44	0.19	0.01	0.0	0.01	0.05	0.24	0.04
5	0.15	0.13	0.13	0.17	0.44	0.13	0.01	0.0	0.01	0.07	0.10	0.04
6	0.17	0.13	0.11	0.15	0.51	0.34	0.00	0.0	0.01	0.09	0.09	0.05
7	0.17	0.11	0.13	0.17	0.51	0.25	0.0	0.0	0.01	0.06	0.07	0.07
8	0.21	0.11	0.16	0.15	0.47	0.17	0.0	0.0	0.01	0.04	0.09	0.09
9	0.15	0.13	0.17	0.15	0.40	0.09	0.0	0.15	0.01	0.04	0.19	0.04
10	0.15	0.13	1.01	0.17	0.37	0.07	0.0	0.51	0.02	0.06	0.25	0.14
11	0.15	0.13	0.29	1.12	0.31	0.11	0.0	0.02	0.01	0.09	0.13	0.35
12	0.15	0.11	0.21	0.23	0.26	0.11	0.0	0.02	0.02	0.09	0.07	0.17
13	0.15	0.11	0.19	0.21	0.23	0.11	0.0	0.01	0.03	0.04	0.14	0.11
14	0.15	0.11	0.19	0.19	0.23	0.10	0.0	0.01	0.02	0.07	0.08	0.11
15	0.19	0.11	0.19	0.19	0.21	0.09	0.0	0.01	0.04	0.06	0.04	0.09
16	0.15	0.11	0.17	0.17	0.21	0.05	0.0	0.01	0.08	0.07	0.04	0.09
17	0.15	0.11	0.19	0.19	0.19	0.05	0.0	0.00	0.03	0.09	0.04	0.07
18	0.13	0.19	0.19	0.21	0.17	0.06	0.0	0.00	0.02	0.07	0.05	0.12
19	0.11	0.13	0.19	0.21	0.15	0.02	0.0	0.00	0.03	0.06	0.09	0.05
20	0.11	0.18	0.25	0.23	0.13	0.02	0.0	0.0	0.03	0.07	0.05	0.06
21	0.11	1.12	0.19	0.14	0.17	0.02	0.0	0.0	0.02	0.09	0.05	0.06
22	0.13	0.21	0.19	0.03	0.15	0.02	0.0	0.0	0.02	0.07	0.06	0.07
23	0.13	0.19	0.19	0.03	0.11	0.03	0.0	0.0	0.02	0.07	0.11	0.07
24	0.13	0.15	0.17	0.03	0.14	0.02	0.0	0.0	0.11	0.17	0.10	0.13
25	0.13	0.15	0.19	0.03	0.54	0.02	0.0	0.0	0.05	0.14	0.04	0.03
26	0.13	0.15	0.19	0.02	0.25	0.02	0.0	0.0	0.03	0.09	0.04	0.03
27	0.15	0.15	0.23	0.02	0.15	0.02	0.0	0.07	0.03	0.09	0.04	0.03
28	0.13	0.15	0.26	0.02	0.10	0.01	0.0	0.01	0.03	0.28	0.06	0.05
29	0.13		0.19	1.29	0.20	0.01	0.0	0.01	0.03	0.05	0.12	0.07
30	0.13		0.15	1.87	0.44	0.01	0.0	0.01	0.03	1.00	0.06	0.09
31	0.11		0.19		0.51		0.0	0.01		0.81		0.23
MEAN	0.1410	0.1697	0.2103	0.2716	0.5541	0.0856	0.0014	0.0275	0.0296	0.1314	0.1178	0.0863
INCHES	0.214	0.233	0.319	0.399	0.842	0.126	0.002	0.042	0.044	0.200	0.173	0.131
STA AV	0.075	0.088	0.275	0.283	0.693	0.456	0.084	0.029	0.093	0.136	0.142	0.097

Station Averages: 8 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.04899.

1968 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF SEPTEMBER 4, 1968						
RG 000203				RG 000203						
9- 4	0.0	0.003	9- 4	328	0.0	0.0	9- 4	311	0.190	0.0
				336	1.2000	0.16		343	0.540	0.0004
				339	3.0000	0.31		401	1.270	0.0009
				342	0.6000	0.34		404	3.290	0.0012
				349	2.2286	0.60		415	4.480	0.0026
WATERSHED CONDITIONS: 100% pasture. There is a good mixture of tall, intermediate, and short grasses.				355	2.1000	0.81		423	6.240	0.0041
				359	1.3500	0.90		428	16.020	0.0060
				407	0.4500	0.96		434	25.270	0.0102
				418	0.1091	0.98		438	27.060	0.0137
				424	0.7000	1.05		446	20.470	0.0202
				432	0.3000	1.09		452	15.390	0.0239
				506	0.0176	1.10		503	10.430	0.0287
				535	0.0828	1.14		511	7.760	0.0312
				606	0.0968	1.19		522	5.230	0.0336
				645	0.1231	1.27		543	3.170	0.0366
								611	1.960	0.0391
								640	1.270	0.0407
								701	0.970	0.0415
								736	0.660	0.0424
								821	0.460	0.0433
								910	0.280	0.0439
								952	0.190	0.0442
								1034	0.130	0.0445
								1137	0.060	0.0447

Conversion Factor: CFS to IN/HR, multiply by 0.00204145.



4

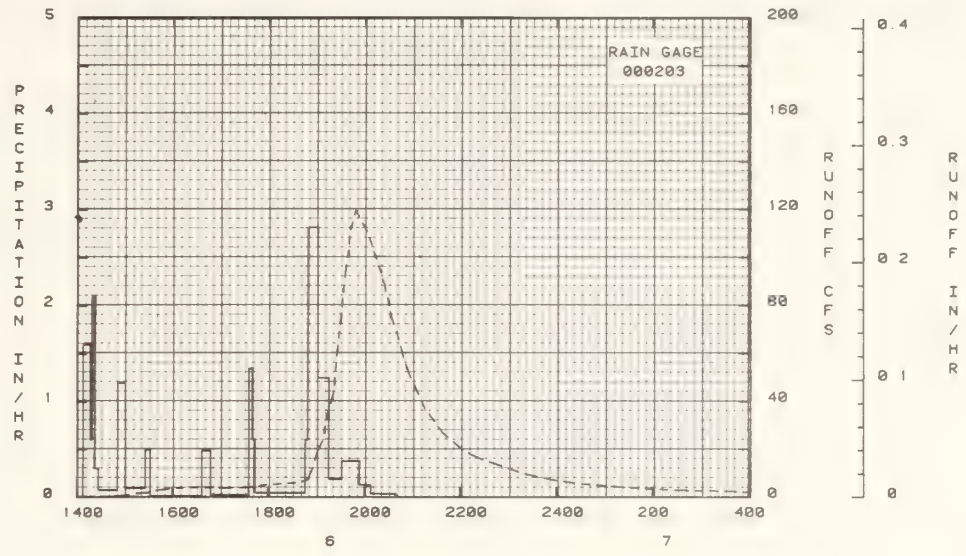
EVENT OF SEPTEMBER 4, 1968

CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 6 - 7, 1969							
BG 000203			BG 000203							
5- 5	0.0	0.009	5- 6	1408	0.0	0.0	5- 6	1422	0.340	0.0
				1417	1.6000	0.24		1436	0.580	0.0002
				1419	0.6000	0.26		1452	0.860	0.0006
				1423	2.1000	0.40		1506	1.210	0.0011
				1427	0.3000	0.42		1515	1.790	0.0015
WATERSHED CONDITIONS: 100% pasture. There is a good mixture of tall, intermediate, and short grasses.				1451	0.0750	0.45		1531	2.330	0.0027
				1501	1.2000	0.65		1541	3.180	0.0036
				1526	0.0960	0.69		1556	3.930	0.0054
				1532	0.5000	0.74		1623	4.490	0.0093
				1637	0.0185	0.76		1707	4.070	0.0157
				1648	0.4909	0.85		1740	4.490	0.0205
				1736	0.0250	0.87		1758	5.410	0.0235
				1740	1.3500	0.96		1834	6.260	0.0307
				1744	0.6000	1.00		1849	7.380	0.0342
				1846	0.0484	1.05		1856	12.520	0.0365
				1849	0.6000	1.08		1901	18.250	0.0391
				1902	2.8154	1.69		1908	23.650	0.0441
				1916	1.2429	1.98		1913	33.610	0.0490
				1932	0.1875	2.03		1922	43.930	0.0609
				1954	0.3818	2.17		1926	60.480	0.0680
				2008	0.1286	2.20		1931	76.730	0.0797
				2039	0.0387	2.22		1936	93.990	0.0942
								1943	111.940	0.1187
								1949	119.620	0.1423
								2003	110.700	0.1972
								2015	99.220	0.2401
								2025	88.770	0.2720
								2034	74.720	0.2971
								2043	65.850	0.3186
								2049	58.200	0.3312
								2058	49.760	0.3478
								2108	42.690	0.3635
								2116	36.860	0.3743
								2128	31.550	0.3883
								2138	26.750	0.3982
								2152	22.850	0.4100
								2203	19.710	0.4180
								2215	17.540	0.4256
								2228	15.530	0.4329
								2243	13.930	0.4404
								2304	11.460	0.4495
								2322	9.510	0.4559
								2336	8.400	0.4602
								2353	7.190	0.4647
								2400	6.810	0.4664
							5- 7	23	5.740	0.4713
								51	4.940	0.4764
								116	4.350	0.4803
								143	3.670	0.4840
								210	3.180	0.4871
								245	2.740	0.4907
								336	2.430	0.4951

Conversion Factor: CFS to IN/HR, multiply by 0.00204145.



EVENT OF MAY 6 - 7, 1969

CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

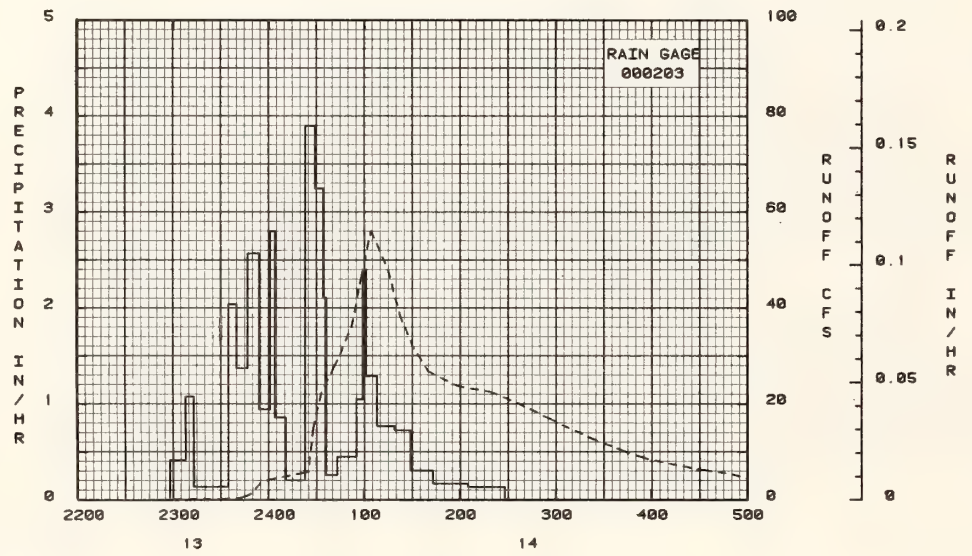
1969 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 13 - 14, 1969							
RG 000203				RG 000203						
6-13	0.28	0.007	6-13	2258	0.0	0.0	6-13	2301	0.170	0.0
				2308	0.4200	0.07		2331	0.260	0.0003
				2313	1.0800	0.16		2343	0.470	0.0004
				2335	0.1364	0.21		2349	1.270	0.0006
				2340	2.0400	0.38		2355	3.550	0.0011
WATERSHED CONDITIONS:										
100% pasture. There is a				2347	1.3714	0.54		2400	4.210	0.0017
good mixture of tall,				2354	2.5714	0.84	6-14	25	5.910	0.0060
intermediate, and short			6-14	1	0.9429	0.95		28	14.820	0.0071
grasses.				4	2.8000	1.09		33	22.450	0.0103
				11	0.8571	1.19		43	29.090	0.0190
				23	0.2000	1.23		52	36.300	0.0291
				29	3.9000	1.62		58	46.460	0.0375
				34	3.2400	1.89		104	56.050	0.0480
				36	2.1000	1.96		115	47.760	0.0674
				43	0.2571	1.99		122	38.550	0.0777
				55	0.4500	2.08		131	31.550	0.0884
				59	1.0500	2.15		140	26.750	0.0973
				101	2.4000	2.23		158	23.690	0.1128
				108	1.2857	2.38		219	22.450	0.1293
				119	0.7636	2.52		236	20.090	0.1416
				129	0.7200	2.64		300	16.180	0.1564
				143	0.3000	2.71		322	12.800	0.1672
				205	0.1636	2.77		346	9.740	0.1764
				228	0.1304	2.82		358	8.400	0.1801
								433	6.080	0.1887
								451	5.250	0.1922
								515	4.350	0.1961
								536	3.800	0.1990
								606	3.070	0.2025
								651	2.430	0.2068

Conversion Factor: CFS to IN/HR, multiply by 0.00204145.

1969 SELECTED RUNOFF EVENT				CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG						
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 13 - 14, 1969 (CONTINUED)							
							6-14	740	1.960	0.2104
								828	1.630	0.2133
								943	1.340	0.2171
								1111	1.080	0.2208

Conversion Factor: CFS to IN/HR, multiply by 0.00204145.



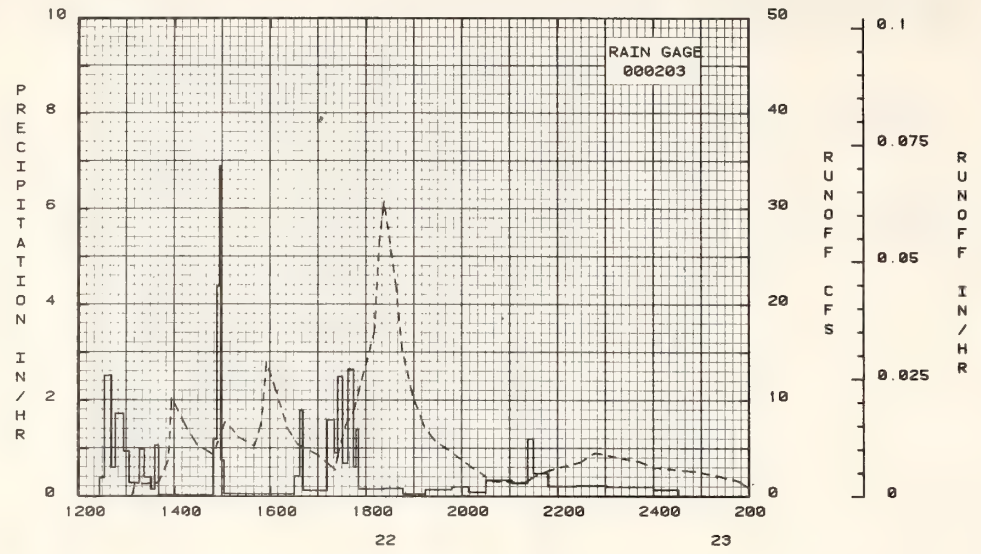
EVENT OF JUNE 13 - 14, 1969

CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

1970 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF SEPTEMBER 22 - 23, 1970						
	RG 000203			RG 000203						
9-22	0.76	0.001	9-22	1226	0.0	0.0	9-22	1306	0.050	0.0
				1232	0.4000	0.04		1310	1.280	0.0001
				1241	2.5333	0.42		1340	1.490	0.0015
				1246	0.6000	0.47		1352	3.820	0.0026
				1256	1.7400	0.76		1356	10.260	0.0035
WATERSHED CONDITIONS: 100% pasture. There is a good mixture of tall, intermediate, and short grasses.				1303	0.9429	0.87		1416	7.020	0.0094
				1316	0.2769	0.93		1428	5.430	0.0119
				1322	1.0000	1.03		1448	4.360	0.0153
				1331	0.4000	1.09		1503	7.810	0.0184
				1335	0.1500	1.10		1522	6.110	0.0229
				1340	1.0800	1.19		1540	5.270	0.0264
				1448	0.0353	1.23		1549	7.810	0.0284
				1453	1.2000	1.33		1555	13.980	0.0306
				1456	4.4000	1.55		1608	10.740	0.0361
				1458	6.9000	1.78		1622	7.020	0.0403
				1502	0.7500	1.83		1634	5.430	0.0428
				1630	0.0477	1.90		1701	4.220	0.0473
				1637	0.4286	1.95		1721	2.750	0.0496
				1641	1.8000	2.07		1726	4.950	0.0503
				1711	0.1200	2.13		1734	7.410	0.0520
				1720	1.6000	2.37		1745	9.050	0.0551
				1724	0.9000	2.43		1752	11.500	0.0575
				1730	2.5000	2.68		1810	17.050	0.0663
				1737	0.6857	2.76		1816	26.410	0.0707
				1744	2.6571	3.07		1822	30.800	0.0765
				1747	0.6000	3.10		1837	22.030	0.0900
				1750	1.4000	3.17		1845	15.180	0.0951
				1822	0.1500	3.25		1858	10.500	0.1008
				1846	0.1750	3.32		1913	7.210	0.1053
				1914	0.0429	3.34		1926	5.760	0.1082
				1947	0.1455	3.42		1943	4.800	0.1112
				2008	0.2000	3.49		2015	2.850	0.1154
				2030	0.0818	3.52		2038	1.560	0.1171
				2102	0.3375	3.70		2119	1.420	0.1192
				2122	0.2700	3.79		2134	2.240	0.1201
				2129	1.2000	3.93		2155	2.850	0.1219
				2147	0.4667	4.07		2228	3.560	0.1255
				2223	0.2000	4.19		2246	4.510	0.1280
				2301	0.2211	4.33		2343	3.560	0.1358
				2329	0.1929	4.42		2400	2.970	0.1377
				2400	0.1935	4.52	9-23	52	2.540	0.1426
			9-23	31	0.1355	4.59		122	2.060	0.1449
								146	1.560	0.1464

Conversion Factor: CFS to IN/HR, multiply by 0.00204145.



EVENT OF SEPTEMBER 22 - 23, 1970

CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

1971 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

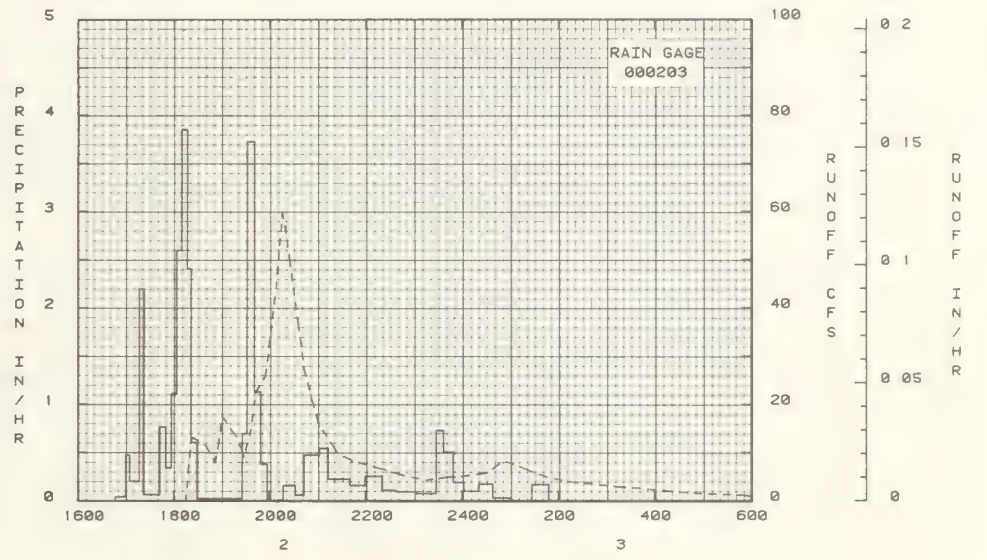
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF OCTOBER 2 - 3, 1971						
RG 000203				RG 000203						
10- 2	0.07	0.0	10- 2	1647	0.0	0.0	10- 2	1815	0.0	0.0
				1700	0.0462	0.01		1816	1.270	0.0
				1705	0.4800	0.05		1819	7.630	0.0005
				1717	0.2000	0.09		1823	13.180	0.0019
				1723	2.2000	0.31		1841	11.290	0.0094
WATERSHED CONDITIONS: 100% pasture. There is a good mixture of tall, intermediate, and short grasses.				1743	0.0600	0.33		1852	7.830	0.0130
				1750	0.7714	0.42		1856	11.550	0.0143
				1757	0.3429	0.46		1901	17.520	0.0167
				1804	1.1143	0.59		1919	13.180	0.0261
				1810	2.6000	0.85		1928	9.120	0.0296
				1817	3.8571	1.30		1937	14.950	0.0332
				1822	2.4000	1.50		1943	22.650	0.0371
				1829	0.6000	1.57		1955	25.960	0.0470
				1926	0.0211	1.59		2007	42.530	0.0610
				1932	0.7000	1.66		2016	60.010	0.0767
				1941	3.7333	2.22		2025	50.060	0.0935
				1949	1.1250	2.37		2037	35.210	0.1109
				1957	0.3750	2.42		2043	27.280	0.1173
				2017	0.0	2.42		2053	20.730	0.1255
				2032	0.1600	2.46		2101	15.890	0.1305
				2043	0.0545	2.47		2116	12.080	0.1376
				2102	0.4737	2.62		2125	9.810	0.1410
				2113	0.5455	2.72		2143	8.250	0.1465
				2124	0.2182	2.76		2225	6.290	0.1569
				2140	0.2250	2.82		2248	5.110	0.1613
				2159	0.1579	2.87		2315	4.220	0.1656
				2220	0.2571	2.96		2341	4.960	0.1697
				2237	0.1059	2.99		2400	5.110	0.1729
				2303	0.0923	3.03	10- 3	30	5.770	0.1785
				2328	0.0720	3.06		46	7.630	0.1821

Conversion Factor: CFS to IN/HR, multiply by 0.00204145.

1971 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 2 - 3, 1971 (CONTINUED)							
			10- 2	2337	0.7333	3.17	10- 3	55	8.040	0.1845
				2349	0.5000	3.27		128	5.940	0.1924
			10- 3	2	0.1846	3.31		146	4.810	0.1957
				21	0.0947	3.34				
				38	0.1765	3.39				
				101	0.0261	3.40				
				127	0.0	3.40				
				148	0.1714	3.46				

Conversion Factor: CFS to IN/HR, multiply by 0.00204145.



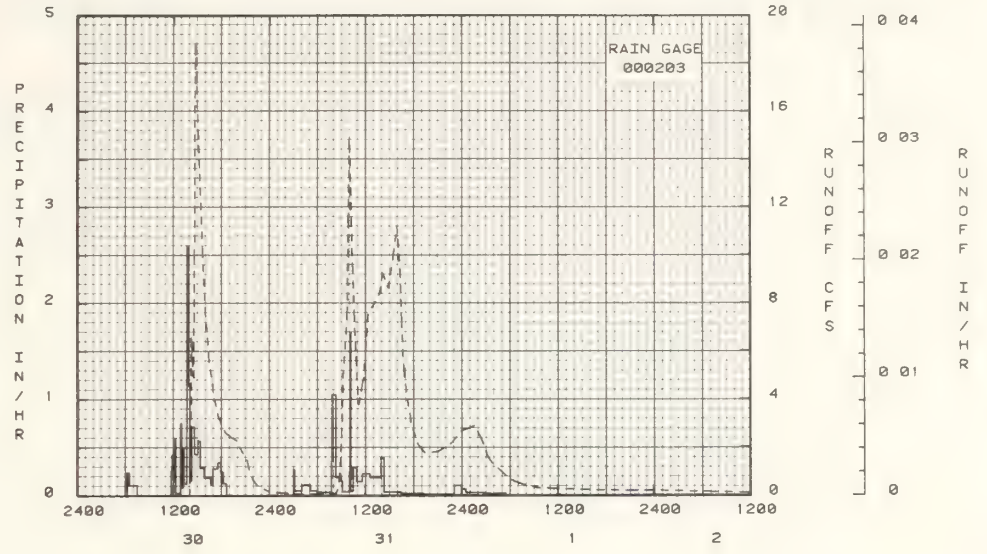
EVENT OF OCTOBER 2 - 3, 1971

CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

1972 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5143 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 30 - NOVEMBER 2 1972							
RG 000203			RG 000203							
10-30	0.0	0.0	10-30	614	0.0	0.0	10-30	1400	0.0	0.0
				629	0.2400	0.06		1404	0.260	0.0
				728	0.1017	0.16		1410	2.000	0.0002
				1141	0.0	0.16		1413	6.570	0.0007
				1148	0.2571	0.19		1430	4.880	0.0040
WATERSHED CONDITIONS: 100% pasture. There is a good mixture of tall, intermediate, and short grasses.				1205	0.4235	0.31		1436	9.960	0.0055
				1213	0.1500	0.33		1441	18.840	0.0080
				1219	0.6000	0.39		1443	18.840	0.0092
				1255	0.0167	0.40		1503	15.180	0.0208
				1259	0.7500	0.45		1537	10.210	0.0355
				1314	0.0800	0.47		1558	7.740	0.0419
				1320	0.5000	0.52		1628	5.520	0.0487
				1340	0.1200	0.56		1658	4.290	0.0537
				1346	2.6000	0.82		1738	3.240	0.0588
				1352	1.5000	0.97		1833	2.570	0.0642
				1402	1.1400	1.16		1951	2.270	0.0707
				1409	0.6000	1.23		2043	1.740	0.0742
				1417	0.1500	1.25		2115	1.430	0.0759
				1438	0.7143	1.50		2131	1.040	0.0766
				1502	0.4250	1.67		2158	0.630	0.0774
				1522	0.5700	1.86		2236	0.370	0.0780
				1535	0.2769	1.92		2321	0.260	0.0785
				1549	0.3000	1.99		2400	0.130	0.0788
				1640	0.1765	2.14	10-31	221	0.370	0.0792
				1656	0.1125	2.17		413	0.040	0.0795
				1735	0.2769	2.35		640	0.060	0.0797
				1756	0.3429	2.47		819	0.080	0.0799
				1816	0.2400	2.55		834	0.260	0.0800
				1841	0.1200	2.60		848	0.930	0.0803
			10-31	300	0.0	2.60		903	2.780	0.0813
				309	0.2667	2.64		916	5.190	0.0830
				403	0.0444	2.68		943	7.540	0.0889
				509	0.1091	2.80		951	11.730	0.0915
				602	0.0453	2.84		958	14.870	0.0947
				726	0.0286	2.88		1013	11.470	0.1014
				745	0.0316	2.89		1023	9.490	0.1049
				750	0.3600	2.92		1037	7.540	0.1090
				817	1.0444	3.39		1049	5.690	0.1117
				851	0.1765	3.49		1110	3.740	0.1151
				907	0.1500	3.53		1146	4.880	0.1204
				1001	0.0333	3.56		1201	6.030	0.1231
				1006	0.2400	3.58		1219	7.540	0.1273
				1012	1.7000	3.75		1346	8.370	0.1508
				1028	0.0375	3.76		1410	9.260	0.1580
				1055	0.2889	3.89		1452	8.590	0.1708
				1138	0.1395	3.99		1528	9.960	0.1822
				1234	0.2250	4.20		1558	11.210	0.1930
				1328	0.1778	4.36		1622	9.030	0.2012
				1358	0.1800	4.45		1633	6.950	0.2042
				1421	0.3913	4.60		1653	4.880	0.2082
				1630	0.0279	4.66		1743	3.010	0.2149
				1914	0.0110	4.69		1834	2.090	0.2194
				2155	0.0037	4.70		1926	1.740	0.2228
				2305	0.0086	4.71		2107	1.820	0.2289
			11- 1	1	0.0964	4.80		2249	2.180	0.2358
				31	0.0600	4.83		2400	2.680	0.2417
				250	0.0216	4.88	11- 1	137	2.890	0.2509
				531	0.0112	4.91		226	2.370	0.2553
								319	1.580	0.2588
								352	1.290	0.2604
								434	1.100	0.2621
								534	0.770	0.2641
								637	0.550	0.2655
								801	0.400	0.2668
								949	0.280	0.2681
								1115	0.260	0.2689
								1506	0.210	0.2707
								2101	0.170	0.2730
								2400	0.170	0.2740

Conversion Factor: CFS to IN/HR, multiply by 0.00204145.



EVENT OF OCTOBER 30 - NOVEMBER 2, 1972

CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

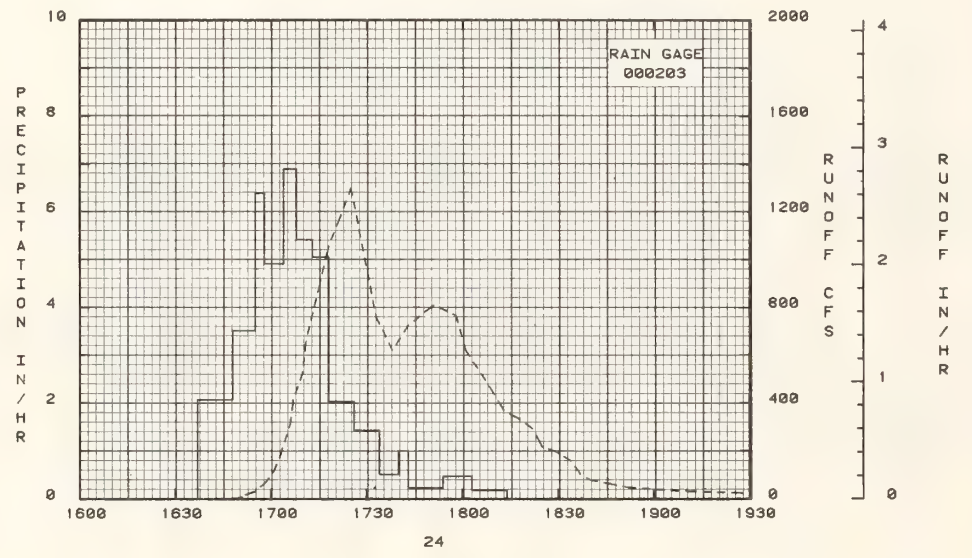
1973 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MAY 24, 1973						
RG 000203				RG 000203						
5-24	0.0	0.009	5-24	1637	0.0	0.0	5-24	1643	0.340	0.0
				1648	2.0727	0.38		1648	1.220	0.0001
				1655	3.5143	0.79		1651	6.400	0.0005
				1658	6.4000	1.11		1652	17.100	0.0009
				1704	4.9000	1.60		1655	31.930	0.0034
WATERSHED CONDITIONS:										
100% pasture. There is a good mixture of tall, intermediate, and short grasses.				1708	6.9000	2.06		1658	64.180	0.0083
				1713	5.4000	2.51		1701	116.120	0.0175
				1718	5.0400	2.93		1703	182.960	0.0277
				1726	2.0250	3.20		1706	311.479	0.0529
				1734	1.4250	3.39		1707	412.208	0.0652
				1740	0.5000	3.44		1710	529.908	0.1133
				1743	1.0000	3.49		1711	660.070	0.1336
				1754	0.2182	3.53		1715	884.110	0.2386
				1803	0.4667	3.60		1718	1056.610	0.3377
				1814	0.1636	3.63		1722	1188.610	0.4905
								1725	1298.698	0.6174
								1733	756.428	0.8971
								1738	620.808	1.0143
								1743	724.820	1.1287
								1751	809.638	1.3376
								1758	763.340	1.5249
								1801	619.810	1.5955
								1806	519.750	1.6924
								1810	434.250	1.7573
								1813	368.178	1.7983
								1818	329.810	1.8576
								1822	289.158	1.8997
								1825	216.440	1.9256
								1830	190.770	1.9602
								1834	155.740	1.9838

Conversion Factor: CFS to IN/HR, multiply by 0.00204145.

1973 SELECTED RUNOFF EVENT			CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG							
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 24, 1973 (CONTINUED)							
							5-24	1837	99.610	1.9968
								1840	77.090	2.0058
								1846	60.510	2.0199
								1852	45.470	2.0307

Conversion Factor: CFS to IN/HR, multiply by 0.00204145.



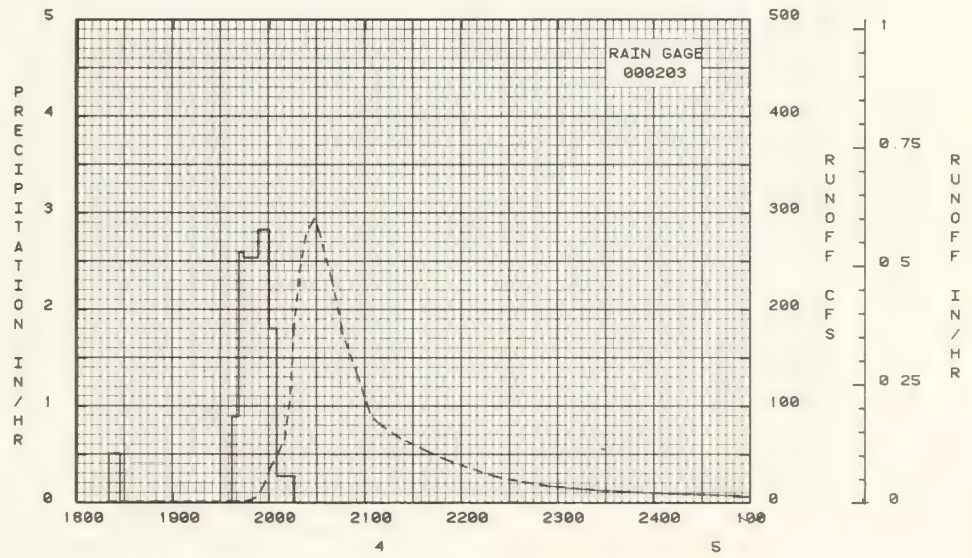
EVENT OF MAY 24, 1973

CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 4 - 5, 1973							
RG 000203			RG 000203							
6- 4	0.0	0.054	6- 4	1820	0.0	0.0	6- 4	1819	1.420	0.0
				1827	0.5143	0.06		1849	1.720	0.0016
				1937	0.0	0.06		1937	1.560	0.0043
				1941	0.9000	0.12		1948	2.820	0.0051
				1944	2.6000	0.25		1952	5.850	0.0057
WATERSHED CONDITIONS:										
100% pasture. There is a good mixture of tall, intermediate, and short grasses.				1953	2.5333	0.63		1955	12.590	0.0066
				2000	2.8286	0.96		1958	23.180	0.0084
				2005	1.8000	1.11		2001	36.420	0.0115
				2016	0.2727	1.16		2006	52.290	0.0190
								2010	67.210	0.0272
								2013	105.410	0.0360
								2016	186.610	0.0509
								2019	239.110	0.0726
								2023	277.678	0.1078
								2028	294.010	0.1564
								2031	281.628	0.1858
								2040	224.180	0.2632
								2046	174.620	0.3039
								2055	132.710	0.3510
								2103	93.220	0.3817
								2107	84.200	0.3938
								2113	76.390	0.4102
								2122	66.580	0.4321
								2136	55.410	0.4611
								2143	49.770	0.4737
								2155	41.480	0.4923
								2213	31.310	0.5146
								2225	25.430	0.5262
								2240	21.070	0.5380
								2255	17.100	0.5478
								2323	13.110	0.5622
								2340	11.580	0.5693
								2400	10.170	0.5767
							6- 5	53	7.290	0.5924
								126	6.230	0.6000

Conversion Factor: CFS to IN/HR, multiply by 0.00204145.



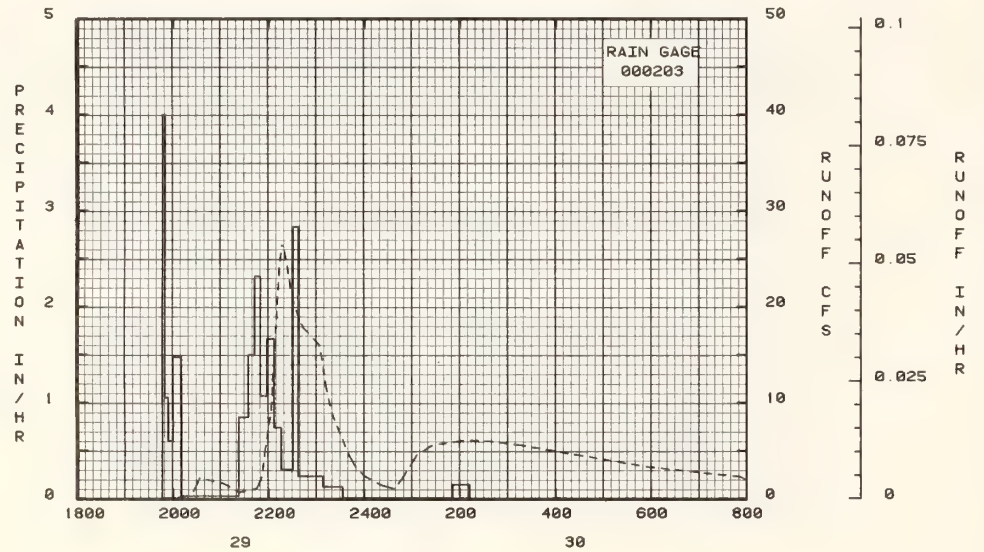
EVENT OF JUNE 4 - 5, 1973

CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

1974 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 29 - 30, 1974							
RG 000203			RG 000203							
4-29	0.76	0.003	4-29	1946	0.0	0.0	4-29	1948	0.030	0.0
				1949	4.0000	0.20		2006	0.150	0.0
				1953	1.0500	0.27		2019	0.340	0.0001
				1959	0.6000	0.33		2025	0.820	0.0003
				2010	1.4727	0.60		2033	2.140	0.0007
WATERSHED CONDITIONS: 100% pasture. There is a good mixture of tall, intermediate, and short grasses.				2122	0.0250	0.63		2103	1.560	0.0025
				2134	0.8500	0.80		2122	0.670	0.0033
				2142	1.5000	1.00		2145	1.090	0.0040
				2149	2.3143	1.27		2151	2.230	0.0043
				2158	1.0667	1.43		2155	4.810	0.0048
				2207	1.6667	1.68		2203	9.290	0.0067
				2216	0.7333	1.79		2207	15.030	0.0083
				2230	0.3000	1.86		2213	24.070	0.0123
				2237	2.8286	2.19		2218	26.370	0.0149
				2308	0.2323	2.31		2218	26.370	0.0167
				2333	0.1200	2.36		2231	20.260	0.0270
			4-30	151	0.0043	2.37		2243	17.730	0.0348
				212	0.1429	2.42		2304	15.900	0.0468
								2311	11.830	0.0501
								2319	8.870	0.0529
								2340	4.530	0.0577
								2349	3.260	0.0589
								2400	2.320	0.0599
							4-30	23	1.280	0.0613
								37	0.980	0.0619
								48	2.140	0.0625
								106	4.530	0.0645
								125	5.570	0.0678
								204	6.060	0.0755
								223	6.060	0.0794
								313	5.570	0.0893
								425	4.530	0.1017
								555	3.260	0.1136

Conversion Factor: CFS to IN/HR, multiply by 0.00204145.



EVENT OF APRIL 29 - 30, 1974

CHICKASHA, OKLAHOMA WATERSHED 5143 NEAR MIDDLEBURG

LOCATION: Grady County, Okla.; small watershed near Highway 62 in the vicinity of Middleburg; tributary of East Cutter Creek; Washita River; Red River Basin. GAGING STATION--Center of sec. 5, T. 7 N., R. 5 W., lat. 35 deg. 05 min. 58 sec., long. 97 deg. 47 min. 19 sec., at artificial control.

AREA: 1456.60 acres 2.28 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1968	P	2.52	1.21	2.06	2.11	4.38	2.28	3.62	1.33	3.43	2.24	4.26	1.03	30.47
	Q	0.089	0.051	0.137	0.157	0.196	0.181	0.106	0.010	0.127	0.059	0.091	0.048	1.314
1969	P	0.76	2.61	2.13	4.25	5.44	3.58	3.03	2.50	3.74	1.39	0.39	1.74	28.56
	Q	0.051	0.128	0.217	0.204	1.414	0.647	0.167	0.054	0.080	0.057	0.058	0.067	3.144
1970	P	0.10	0.75	2.93	2.19	3.72	1.07	1.55	2.35	7.13	2.75	1.07	0.37	25.08
	Q	0.070	0.055	0.071	0.076	0.178	0.022	0.000	0.015	0.446	0.098	0.033	0.043	1.107
1971	P	0.80	1.73	0.16	0.86	3.92	4.68	2.74	3.09	5.54	5.23	0.61	3.26	32.42
	Q	0.047	0.064	0.045	0.033	0.074	0.278	0.023	0.027	0.257	0.558	0.047	0.312	1.765
1972	P	0.16	0.62	0.88	3.76	3.10	1.00	1.49	1.43	0.71	8.04	2.36	0.73	24.28
	Q	0.102	0.091	0.094	0.186	0.224	0.041	0.025	0.002	0.005	0.395	0.110	0.070	1.346
1973	P	3.34	0.67	5.93	2.49	7.28	6.13	3.95	1.16	7.64	2.86	3.31	0.10	44.86
	Q	0.200	0.176	1.503	1.070	2.430	2.914	0.472	0.153	0.311	0.118	0.791	0.363	10.501
1974	P	0.14	1.64	1.78	4.58	3.23	0.98	0.43	4.59	3.51	5.19	1.63	1.48	29.18
	Q	0.251	0.253	0.358	0.320	0.080	0.075	0.046	0.061	0.071	0.120	0.225	0.109	1.968
1975	P	1.85	2.00	1.94	2.33	7.81	5.11	4.45	1.48	1.72	1.03	1.20	1.05	31.97
	Q	0.262	0.409	0.955	0.718	1.196	2.822	0.448	0.061	0.033	0.039	0.045	0.219	7.206
1976	P	0.0	0.31	2.77	3.39	1.49	2.68	3.72	1.53	3.05	2.15	0.17	0.56	21.82
	Q	0.045	0.147	0.455	0.085	0.054	0.031	0.048	0.031	0.036	0.036	0.036	0.036	1.040
1977	P	0.53	1.59	1.29	2.65	9.32	2.62	0.94	1.08	0.87	1.44	1.01	0.14	23.48
	Q	0.038	0.031	0.035	0.037	0.475	0.374	0.041	0.049	0.045	0.044	0.054	0.053	1.278
STA AV	P	0.92	1.20	2.09	2.93	4.88	2.95	2.52	2.01	3.88	3.20	1.49	1.05	29.11
	Q	0.111	0.133	0.363	0.358	0.593	0.677	0.127	0.042	0.138	0.144	0.140	0.126	2.954

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1968	9- 4	0.057	9- 4	0.049	9- 4	0.078	9- 4	0.101	9- 3	0.107	9- 3	0.111	9- 3	0.112	3-18	0.137
1969	5- 6	0.203	5- 6	0.183	5- 6	0.289	5- 6	0.485	5- 6	0.637	5- 6	0.702	5- 6	0.757	5- 3	1.073
1970	9-22	0.111	9-22	0.099	9-22	0.169	9-22	0.309	9-22	0.398	9-22	0.432	9-22	0.434	9-22	0.442
1971	10- 2	0.170	10- 2	0.159	10- 2	0.277	10- 2	0.429	10- 2	0.484	10- 2	0.497	10- 2	0.503	10- 2	0.517
1972	10-31	0.046	10-31	0.037	10-31	0.064	10-31	0.162	10-31	0.228	10-31	0.245	10-30	0.357	10-29	0.379
1973	5-24	0.539	5-24	0.492	5-24	0.814	5-24	1.079	5-24	1.160	5-24	1.238	5-22	1.347	5-31	2.583
1974	4-29	0.017	4-29	0.014	4-29	0.019	4-29	0.023	4-12	0.031	4-11	0.047	3-10	0.085	3-10	0.221
1975	5-22	0.019	5-23	0.020	5-23	0.040	5-23	0.121	5-23	0.243	5-22	0.364	5-22	0.723	5-22	1.293
1976	7-15	0.006	3-26	0.009	3-26	0.019	3-26	0.056	3-26	0.113	3-25	0.170	3-25	0.332	3-24	0.579
1977	5-19	0.039	5-19	0.025	5-19	0.029	5-20	0.062	5-20	0.123	5-20	0.231	5-20	0.307	5-19	0.405
MAXIMUMS FOR PERIOD OF RECORD																
	5-24 1973	0.539	5-24 1973	0.492	5-24 1973	0.814	5-24 1973	1.079	5-24 1973	1.160	5-24 1973	1.238	5-22 1973	1.347	5-31 1973	2.583

Watershed Conditions: 100% of the watershed is used for pasture. There are 12 farm ponds in this watershed.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Pub. 1262, page 69.21-6. Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA Misc. Pub. 1216, page 69.7-21.
Precipitation: Records began Jan. 1967. Thiessen weighted average of 9 rain gages for 1967-74 and 8 rain gages for 1975 onward.
Runoff: Records began Jan. 1967. STA AV values based on 11 yr beginning 1967.
Long-Term Precipitation: National Weather Service records at Chickasha, Oklahoma.

1968	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.13	0.0	0.15	0.0	0.74	1.80	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.0
3	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	1.17	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.01	0.06	0.0	0.0	1.39	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	1.11	0.0	0.0
6	0.04	0.0	0.0	0.0	0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.09	0.0	0.07	0.54	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.86	0.0	0.0	0.0	0.0	0.93	0.0	0.0
10	0.0	0.0	0.13	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.13	0.0
11	0.05	0.0	0.27	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.10	0.0	0.31	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.05
13	0.0	0.06	0.0	0.0	0.36	0.0	0.63	0.34	0.0	0.0	0.0	0.0
14	0.0	0.17	0.0	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.28	0.0
15	0.0	0.0	0.0	0.0	0.08	0.14	0.02	0.76	0.04	0.0	1.20	0.0
16	0.0	0.0	0.0	0.0	0.0	0.36	0.0	0.0	0.0	0.18	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0
18	1.56	0.0	0.28	0.66	0.0	0.0	0.78	0.0	0.0	0.0	0.0	0.16
19	0.10	0.0	0.77	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.02	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.17	0.26	0.0	0.19	0.41	0.0	0.0	0.0	0.0	0.02	0.0	0.25
22	0.07	0.11	0.05	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.09	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	1.20	0.09	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.31	0.0
27	0.36	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.57
28	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.20	0.0
29	0.08	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.07		0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.10	0.0
31	0.0		0.0		0.49		0.05	0.03		0.0		0.0
TOTAL	2.52	1.21	2.06	2.11	4.38	2.28	3.62	1.33	3.43	2.24	4.26	1.03
STA AV	1.30	0.65	2.04	4.36	4.19	2.31	2.69	1.46	4.38	2.53	2.30	1.07

Gaging: Thiesser weighted average of 9 rain gages.
Station Averages: 2 yr beginning 1967.

1969	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.54	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.43	0.0	0.0	0.0	0.0	0.43	0.55	0.0	0.02	0.0
3	0.0	0.0	0.04	0.0	1.76	0.0	0.0	0.0	0.07	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.14	0.0	0.0	0.0	0.0
5	0.0	0.0	0.16	0.0	0.32	0.0	0.0	0.0	0.0	0.10	0.0	0.88
6	0.0	0.0	0.0	0.0	2.21	0.0	0.0	0.0	0.0	0.26	0.0	0.03
7	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0
11	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.12	0.01	0.0	0.0
12	0.0	0.0	0.0	0.05	0.40	0.0	0.0	0.0	0.0	0.42	0.0	0.0
13	0.0	0.50	0.0	0.10	0.0	0.82	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	1.12	0.08	0.0	0.0	2.03	0.0	0.0	0.06	0.0	0.0	0.0
15	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.34	0.31	0.0	0.0	0.0	1.27	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.62	0.0	0.0	0.0	0.0	2.21	0.0	0.0	0.0	0.0	0.10
21	0.0	0.28	0.0	0.0	0.0	0.0	0.04	0.0	0.75	0.03	0.0	0.0
22	0.0	0.0	0.34	0.0	0.0	0.0	0.13	0.56	0.92	0.05	0.0	0.0
23	0.0	0.05	1.03	0.19	0.0	0.0	0.0	0.07	0.0	0.19	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.01	0.53	0.91	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.37	0.0
27	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38
29	0.69		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.31
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.04
31	0.07		0.0		0.0		0.12	0.0		0.0		0.0
TOTAL	0.76	2.61	2.13	1.25	5.44	3.58	3.03	2.50	3.74	1.39	0.39	1.74
STA AV	1.12	1.30	2.07	3.32	4.60	2.73	2.80	1.80	4.17	2.15	1.66	1.29

Gaging: Thiesser weighted average of 9 rain gages.
Station Averages: 3 yr beginning 1967.

1970 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.14	0.0	0.09	0.0	0.0	0.04	0.04	0.18	0.0
2	0.0	0.0	0.01	0.0	0.0	0.05	0.0	0.0	0.05	0.0	0.1	0.1
3	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.1	0.1
4	0.0	0.0	0.0	0.27	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.1
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.04	0.1	0.1
6	0.0	0.0	0.55	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0
7	0.0	0.01	0.16	0.0	0.0	0.0	0.0	0.0	0.04	0.37	0.0	0.1
8	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.1
9	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.14	0.03	0.0	0.08	0.0	0.0	0.1
12	0.0	0.0	0.02	0.0	0.0	0.0	0.71	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.42	0.0	0.88	0.0
14	0.0	0.0	0.0	0.0	1.44	0.0	0.0	0.0	0.64	0.0	0.01	0.0
15	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.27
16	0.0	0.0	0.49	0.25	0.0	0.0	0.0	0.0	0.35	0.04	0.0	0.0
17	0.09	0.0	0.01	0.04	0.0	0.0	0.0	0.0	0.40	0.15	0.0	0.0
18	0.01	0.0	0.02	0.13	0.0	0.0	0.0	1.07	0.0	0.0	0.0	0.0
19	0.0	0.0	0.13	0.0	0.0	0.0	0.0	1.12	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.09	0.35	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.10
22	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.15	4.74	0.46	0.0	0.0
23	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.03	0.0	0.0
24	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
26	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0
27	0.0	0.11	0.0	0.0	0.08	0.0	0.01	0.0	0.0	0.0	0.0	0.0
28	0.0	0.15	0.57	0.0	0.01	0.0	0.11	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.32	1.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.02	1.00	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.06		0.0	0.0		0.0		0.0
TOTAL	0.10	0.75	2.03	2.19	3.72	1.07	1.55	2.35	7.13	2.75	1.07	0.37
STA AV	0.87	1.17	2.06	3.04	4.38	2.32	2.49	1.94	4.91	2.30	1.51	1.06

Gaging: Thiesser weighted average of 9 rain gages.
Station Averages: 4 yr beginning 1967.

1971 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.0	0.0	0.0	0.03
2	0.15	0.0	0.06	0.0	0.0	1.00	0.01	0.0	0.0	3.06	0.0	0.46
3	0.45	0.0	0.0	0.0	0.02	0.75	0.0	0.0	0.0	0.17	0.0	0.14
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.10	0.0	0.0	0.0
7	0.0	0.03	0.0	0.0	0.0	0.99	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.90	0.0	0.07	0.04	0.40
9	0.0	0.0	0.0	0.0	0.62	0.24	0.01	0.0	0.0	0.0	0.0	0.15
10	0.0	0.0	0.0	0.0	0.01	0.28	0.0	0.02	0.0	0.0	0.0	0.19
11	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.61	0.0	0.10	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.09	0.0	0.0	0.0	1.32
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	1.25	0.02	0.15	0.0
18	0.0	0.18	0.0	0.0	0.11	0.0	0.0	0.0	2.00	0.52	0.0	0.0
19	0.0	0.0	0.0	0.19	0.0	0.0	0.01	0.0	0.09	0.54	0.0	0.0
20	0.0	0.0	0.0	0.10	0.0	0.24	0.0	0.0	0.0	0.10	0.0	0.0
21	0.0	1.43	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.04	0.0	0.0	0.14	0.0	0.0	0.0	0.32	0.0
23	0.0	0.0	0.0	0.0	1.10	0.0	0.89	0.0	0.25	0.0	0.06	0.0
24	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	1.71	0.0	0.0	0.0
25	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0
26	0.0	0.0	0.0	0.06	0.77	0.0	0.0	0.0	0.0	0.73	0.0	0.0
27	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.02	0.0	0.0	0.0	0.02	0.71	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.22	0.0	0.03	0.0	0.04	0.0	0.0	0.0	0.39
30	0.0		0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.02	0.04	0.0
31	0.0		0.0		0.83		0.0	0.0		0.0		0.0
TOTAL	0.60	1.73	0.16	0.86	3.92	4.68	2.74	3.09	5.54	5.23	0.61	3.26
STA AV	0.81	1.28	1.68	2.60	4.29	2.79	2.54	2.17	5.03	2.89	1.33	1.50

Gaging: Thiesser weighted average of 9 rain gages.
Station Averages: 5 yr beginning 1967.

1972 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.04	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0
2	0.0	0.05	0.0	0.0	0.0	0.0	0.92	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.05	0.0	0.20	0.0	0.25	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
6	0.0	0.0	0.0	0.0	0.62	0.0	0.0	0.0	0.0	0.0	0.09	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.30	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0
10	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.43	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.17
12	0.0	0.0	0.0	0.0	1.75	0.06	0.0	0.01	0.0	0.0	0.84	0.05
13	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.27	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.05	0.0	0.0
15	0.0	0.0	0.0	1.01	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.03
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.11	0.75	0.0
19	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.62	0.98	0.0	0.0	0.0	0.0	0.0	0.16	0.03	0.18
21	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.11	0.14	3.15	0.16	0.0
22	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.08	0.0	0.12	0.0	0.0
23	0.0	0.0	0.26	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.55	0.0	0.0	0.24	0.0
25	0.0	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.02	0.0
26	0.05	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
27	0.07	0.0	0.0	0.88	0.01	0.29	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.07	0.66	0.0	0.0	0.0	0.0	0.0	0.0	0.27
30	0.0		0.0	0.25	0.0	0.0	0.0	0.01	0.0	2.29	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		2.06		0.0
TOTAL	0.16	0.62	0.88	3.76	3.10	1.00	1.49	1.43	0.71	8.04	2.36	0.73
STA AV	0.70	1.17	1.55	2.80	4.09	2.49	2.37	2.05	4.31	3.75	1.50	1.37

Gaging: Thiesser weighted average of 9 rain gages.
Station Averages: 6 yr beginning 1967.

1973 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.10	0.0	0.0	0.58	0.0	0.0	0.46	0.0	0.0	0.0
2	0.36	0.0	0.0	0.35	0.0	1.76	0.0	0.0	0.0	0.0	0.0	0.0
3	0.75	0.0	0.18	0.05	0.0	0.0	0.0	0.0	0.91	0.18	0.0	0.10
4	0.0	0.0	0.0	0.0	0.0	1.49	0.0	0.0	0.18	0.36	0.0	0.0
5	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.64	0.21	0.0	0.0
6	0.30	0.0	1.11	0.0	0.68	0.0	0.0	0.0	1.40	0.11	0.06	0.0
7	0.17	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.01	0.0
8	0.0	0.0	0.15	0.37	0.0	0.0	0.0	0.0	0.20	0.0	0.02	0.0
9	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.0
10	0.0	0.0	0.98	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.86	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	0.46	0.0	0.0
13	0.0	0.0	0.23	0.12	0.0	0.06	0.29	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.05	0.0	0.14	0.03	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.81	0.0	0.0	0.0	0.77	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.64	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0
18	0.0	0.04	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.47	0.0	0.55	0.0	0.0	0.0	0.0	1.83	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.07	0.0
21	0.68	0.0	0.0	0.0	0.05	0.0	0.16	0.0	0.0	0.0	0.0	0.0
22	0.0	0.17	0.01	0.26	1.58	0.0	1.26	0.0	0.10	0.0	0.0	0.0
23	0.0	0.0	1.75	0.0	0.14	0.0	0.03	0.0	0.0	0.0	0.01	0.0
24	0.0	0.0	0.97	0.01	2.78	0.0	0.0	0.0	0.0	0.0	1.23	0.0
25	0.54	0.16	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.65	0.49	0.0	0.0
27	0.03	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.57	0.19	0.08	0.0
28	0.0	0.0	0.0	0.0	0.0	0.20	0.05	0.0	0.0	0.0	0.0	0.0
29	0.0		0.12	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.15	0.0	0.46	0.0	0.99	0.0	0.0	0.0	0.0	0.0
31	0.24		0.0		1.57		0.0	0.0		0.0		0.0
TOTAL	3.34	0.67	5.93	2.49	7.28	6.13	3.95	1.16	7.64	2.86	3.31	0.10
STA AV	1.08	1.10	2.17	2.75	4.55	3.01	2.59	1.92	4.79	3.62	1.76	1.19

Gaging: Thiesser weighted average of 9 rain gages.
Station Averages: 7 yr beginning 1967.

1974	DAILY PRECIPITATION (INCHES)					CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBERG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.0	0.0	0.0	1.41	0.0	0.0	0.15	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.70	0.0	0.21	0.0
3	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.04	0.0	0.0	0.68	0.0
4	0.0	0.0	0.0	0.0	0.0	0.05	0.16	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
6	0.0	0.0	0.0	0.0	0.0	0.63	0.0	0.07	0.0	0.12	0.0	0.61
7	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.08	0.05	0.0
8	0.0	0.0	0.16	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
9	0.10	0.0	0.04	0.0	0.0	0.0	0.0	1.58	0.0	0.0	0.37	0.0
10	0.0	0.0	1.06	0.01	0.0	0.0	0.0	2.06	0.0	0.0	0.25	0.77
11	0.0	0.0	0.0	1.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.13	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.09	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.12	0.0	0.0
15	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.81	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.01	0.0	0.0	0.0
18	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.02	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0
20	0.0	0.73	0.34	0.01	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0
21	0.0	0.61	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	1.13	0.83	0.0	0.0
25	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.17	0.41	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.11	0.0	0.0
27	0.01	0.0	0.0	0.03	0.0	0.0	0.0	0.45	0.0	0.09	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.99	0.0	0.0
29	0.0		0.0	3.03	0.0	0.0	0.27	0.0	0.0	0.0	0.07	0.0
30	0.0		0.0	0.06	0.0	0.0	0.0	0.0	0.0	2.02	0.0	0.15
31	0.0		0.0		0.58		0.0	0.0		0.25		0.22
TOTAL	0.14	1.64	1.78	4.58	3.23	0.98	0.43	4.59	3.51	5.19	1.63	1.48
STA AV	0.96	1.17	2.12	2.98	4.38	2.76	2.32	2.25	4.63	3.82	1.75	1.23

Gaging: Thiesser weighted average of 9 rain gages.
Station Averages: 8 yr beginning 1967.

1975	DAILY PRECIPITATION (INCHES)					CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBERG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.09	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0
2	0.81	0.30	0.0	0.0	0.46	0.0	0.0	0.57	0.0	0.0	0.17	0.0
3	0.0	0.28	0.0	0.0	0.01	0.0	0.46	0.0	0.0	0.0	0.0	0.0
4	0.0	0.08	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0
5	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.25	0.06
6	0.0	0.0	0.0	0.0	0.0	0.76	0.0	0.0	0.0	0.0	0.05	0.0
7	0.0	0.0	0.0	0.72	0.0	0.09	0.29	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.35	0.0	0.0	0.35	0.02	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.01	1.08	0.72	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.15	0.0	0.10	0.0	0.0	0.0	0.50	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0
13	0.0	0.0	0.0	0.40	1.11	0.0	0.0	0.0	0.39	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.29	0.26	0.15	0.0	0.0
15	0.0	0.07	0.11	0.0	0.0	0.0	0.0	0.05	0.01	0.72	0.0	0.0
16	0.0	0.45	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.10	0.05	0.0	0.52	0.0	0.56	0.01	0.0	0.0	0.0
18	0.0	0.0	0.27	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.36	0.0	0.08	0.0	0.0	0.0	0.69	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.10	0.0	0.0	0.0
22	0.0	0.58	0.0	0.01	3.29	0.82	0.0	0.0	0.0	0.0	0.0	0.12
23	0.0	0.0	0.0	0.0	0.59	0.81	0.0	0.0	0.0	0.0	0.0	0.09
24	0.03	0.0	0.0	0.0	0.0	0.0	1.63	0.0	0.0	0.0	0.0	0.56
25	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.19
26	0.0	0.0	0.16	0.0	0.0	0.0	0.54	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.64	0.31	0.10	0.0	0.03	0.01	0.0	0.0	0.0	0.0
28	0.0	0.0	0.16	0.0	0.83	0.0	0.59	0.0	0.0	0.0	0.0	0.07
29	0.0		0.0	0.82	0.59	0.0	0.0	0.0	0.0	0.0	0.04	0.07
30	0.80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.12		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.85	2.00	1.94	2.33	7.81	5.11	4.45	1.48	1.72	1.03	1.20	1.05
STA AV	1.06	1.26	2.10	2.91	4.76	3.02	2.56	2.17	4.31	3.51	1.68	1.21

Gaging: Thiesser weighted average of 8 rain gages.
Station Averages: 9 yr beginning 1967.

1976	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0
4	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01	0.0	0.09	0.0	0.0
5	0.0	0.31	0.0	0.0	0.24	0.0	0.0	0.85	0.0	0.10	0.0	0.45
6	0.0	0.0	0.0	0.0	0.01	0.02	0.0	0.19	0.0	0.0	0.0	0.11
7	0.0	0.0	1.04	0.30	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0
8	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.76	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.07	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0
12	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	1.17	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.64	0.0	0.0	0.79	0.0	0.03	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0
15	0.0	0.0	0.0	0.72	0.0	0.0	2.80	0.0	0.0	0.03	0.0	0.0
16	0.0	0.0	0.0	0.19	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.03	0.0	0.26	0.0	0.0	0.0	0.04	0.0	0.0
19	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.0
20	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.36	0.02	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.02	0.69	0.0	0.14	0.0	0.14	0.0	0.0
24	0.0	0.0	0.02	0.0	0.0	1.05	0.0	0.01	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.53	0.0	0.0	0.0	0.0	0.07	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.04	0.0	0.0
28	0.0	0.0	0.16	0.88	0.0	0.0	0.76	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.01	0.0	1.43	0.0	0.0
30	0.0		0.0	0.13	0.02	0.0	0.0	0.0	0.0	0.03	0.0	0.0
31	0.0		0.0		0.09		0.0	0.32		0.0		0.0
TOTAL	0.0	0.31	2.77	3.39	1.49	2.68	3.72	1.53	3.05	2.15	0.17	0.56
STA AV	0.96	1.16	2.17	2.96	4.44	2.98	2.67	2.10	4.18	3.37	1.53	1.14

Gaging: Thiesser weighted average of 8 rain gages.
Station Averages: 10 yr beginning 1967.

1977	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.01	0.21	0.0	0.45	0.06	0.0	0.0	0.04	0.03
2	0.0	0.01	0.15	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.04	0.0
3	0.0	0.05	0.0	0.0	0.89	0.0	0.0	0.0	0.0	0.0	0.02	0.0
4	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.03	0.51	0.0	0.05
5	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.0	0.10	0.02	0.0	0.0
6	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70	0.0
9	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0
10	0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	1.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.07	0.02	0.0	0.0	0.0	0.01	0.0	0.0	0.20	0.0	0.0	0.0
13	0.07	0.0	0.0	0.01	0.42	0.0	0.0	0.03	0.47	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.41	0.35	0.0	0.03	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.22	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	2.75	0.0	0.0	0.57	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	1.69	2.25	0.0	0.0	0.0	0.01	0.0	0.0	0.0
21	0.0	0.0	0.0	0.01	0.03	0.0	0.08	0.0	0.0	0.0	0.0	0.0
22	0.01	0.06	0.0	0.05	0.0	0.21	0.0	0.0	0.0	0.50	0.0	0.0
23	0.05	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.04	0.35	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.12	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.79	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.12	0.35	0.0	0.68	0.18	0.01	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.49	0.0	0.45	0.0	0.23	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.01	0.0	0.0	1.18	0.01	0.0	0.01	0.0	0.07	0.0
29	0.0		0.0	0.21	0.0	0.01	0.07	0.30	0.01	0.0	0.0	0.06
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0
31	0.0		0.0		0.21		0.06	0.0		0.0		0.0
TOTAL	0.53	1.59	1.29	2.65	9.32	2.62	0.94	1.08	0.87	1.44	1.01	0.14
STA AV	0.92	1.20	2.09	2.93	4.88	2.95	2.52	2.01	3.88	3.20	1.49	1.05

Gaging: Thiesser weighted average of 8 rain gages.
Station Averages: 11 yr beginning 1967.

1968	MEAN DAILY DISCHARGE (CFS)					CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.03	0.16	0.10	0.37	0.25	1.50	2.14	0.03	0.0	0.03	0.07	0.10
2	0.10	0.10	0.10	0.37	0.23	0.34	0.42	0.03	0.0	0.03	0.14	0.11
3	0.08	0.08	0.10	0.40	0.23	0.32	0.11	0.02	0.20	0.02	0.09	0.10
4	0.08	0.09	0.11	0.27	0.21	0.30	0.13	0.01	6.61	0.03	0.09	0.09
5	0.09	0.10	0.10	0.30	0.21	0.59	0.16	0.01	0.05	0.52	0.08	0.09
6	0.10	0.10	0.10	0.30	0.30	0.43	0.10	0.01	0.03	0.05	0.08	0.09
7	0.09	0.10	0.11	0.30	0.60	1.94	0.13	0.01	0.03	0.04	0.08	0.09
8	0.09	0.09	0.11	0.30	0.27	0.43	0.11	0.01	0.03	0.04	0.08	0.09
9	0.11	0.09	0.10	0.27	0.69	0.32	0.08	0.01	0.03	1.82	0.09	0.09
10	0.14	0.09	0.09	0.30	0.29	0.32	0.08	0.0	0.03	0.07	0.08	0.09
11	0.16	0.09	0.14	0.27	0.19	0.40	0.07	0.0	0.03	0.07	0.08	0.09
12	0.16	0.09	0.27	0.35	0.23	0.34	0.06	0.0	0.03	0.07	0.08	0.09
13	0.14	0.10	0.23	0.28	0.65	0.32	0.30	0.06	0.03	0.06	0.08	0.09
14	0.13	0.13	0.30	0.25	0.31	0.25	0.17	0.03	0.03	0.06	0.08	0.09
15	0.14	0.13	0.21	0.25	0.23	0.30	0.14	0.16	0.03	0.06	1.12	0.09
16	0.14	0.10	0.13	0.27	0.21	0.84	0.09	0.04	0.03	0.06	0.14	0.09
17	0.17	0.09	0.17	0.27	0.19	0.28	0.08	0.03	0.03	0.04	0.10	0.09
18	1.13	0.09	0.20	0.34	0.16	0.19	1.32	0.03	0.03	0.03	0.10	0.09
19	0.91	0.10	2.99	0.72	0.14	0.19	0.11	0.02	0.03	0.04	0.10	0.09
20	0.14	0.10	0.97	0.30	0.16	0.16	0.09	0.02	0.03	0.04	0.10	0.09
21	0.13	0.14	1.02	0.43	0.36	0.13	0.08	0.01	0.03	0.04	0.10	0.09
22	0.13	0.11	0.68	0.55	0.27	0.13	0.08	0.01	0.03	0.04	0.09	0.09
23	0.11	0.11	0.49	0.30	0.21	0.16	0.06	0.0	0.12	0.04	0.09	0.09
24	0.10	0.11	0.46	0.30	0.19	0.17	0.05	0.0	0.07	0.04	0.08	0.09
25	0.10	0.13	0.43	0.27	3.35	0.17	0.05	0.01	0.04	0.04	0.07	0.09
26	0.10	0.10	0.43	0.27	0.47	0.16	0.05	0.01	0.04	0.04	1.09	0.10
27	0.14	0.12	0.40	0.27	0.32	0.11	0.05	0.01	0.04	0.04	0.50	0.20
28	0.10	0.17	0.37	0.25	0.25	0.11	0.06	0.0	0.03	0.04	0.45	0.10
29	0.10	0.10	0.37	0.25	0.23	0.08	0.05	0.00	0.03	0.04	0.16	0.09
30	0.14		0.37	0.25	0.23	0.10	0.04	0.01	0.03	0.04	0.10	0.09
31	0.13		0.37		0.40		0.03	0.0		0.05		0.08
MEAN	0.1764	0.1073	0.3889	0.3208	0.3878	0.3695	0.2090	0.0192	0.2591	0.1173	0.1860	0.0952
INCHES	0.085	0.051	0.197	0.157	0.196	0.181	0.106	0.010	0.127	0.059	0.091	0.048
STA AV	0.079	0.054	0.130	0.604	0.200	0.122	0.066	0.007	0.118	0.060	0.072	0.055

Station Averages: 2 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.01634.

1969	MEAN DAILY DISCHARGE (CFS)					CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.09	0.13	0.25	0.46	0.32	1.62	0.17	0.08	0.07	0.08	0.11	0.13
2	0.11	0.13	0.42	0.43	0.32	0.59	0.19	0.18	0.20	0.08	0.11	0.13
3	0.10	0.10	0.44	0.43	7.99	0.59	0.16	0.11	0.14	0.07	0.11	0.13
4	0.08	0.10	0.30	0.43	1.27	0.63	0.11	0.09	0.11	0.08	0.11	0.14
5	0.08	0.10	0.32	0.37	2.42	0.59	0.08	0.16	0.08	0.08	0.11	0.20
6	0.09	0.10	0.32	0.37	37.17	0.52	0.08	0.14	0.07	0.14	0.11	0.22
7	0.09	0.09	0.32	0.40	7.97	0.49	0.08	0.14	0.06	0.13	0.11	0.16
8	0.09	0.09	0.27	0.40	2.63	0.43	0.06	0.16	0.06	0.11	0.11	0.16
9	0.08	0.10	0.25	0.37	1.94	0.40	0.05	0.15	0.07	0.10	0.11	0.16
10	0.08	0.10	0.25	0.37	1.60	0.46	0.06	0.14	0.07	0.10	0.11	0.16
11	0.08	0.10	0.27	0.40	1.47	0.43	0.07	0.06	0.09	0.10	0.11	0.14
12	0.08	0.10	0.27	0.40	2.37	0.40	0.06	0.04	0.08	0.21	0.11	0.14
13	0.09	0.14	0.25	0.40	1.47	0.53	0.05	0.05	0.07	0.11	0.11	0.14
14	0.09	0.93	0.27	0.40	1.29	23.10	0.06	0.04	0.07	0.11	0.11	0.14
15	0.09	0.64	0.30	0.43	1.29	1.38	0.04	0.04	0.08	0.11	0.11	0.13
16	0.09	0.19	0.27	0.47	1.38	0.88	0.04	0.06	0.78	0.10	0.11	0.10
17	0.09	0.17	0.27	0.55	1.48	0.83	0.04	0.07	0.12	0.10	0.11	0.11
18	0.09	0.16	0.27	0.37	1.29	0.83	0.04	0.07	0.09	0.10	0.10	0.10
19	0.09	0.16	0.25	0.37	1.18	0.70	0.05	0.07	0.08	0.10	0.11	0.11
20	0.09	0.99	0.23	0.34	1.02	0.59	2.79	0.05	0.08	0.10	0.11	0.13
21	0.09	1.26	0.25	0.34	0.97	0.52	4.54	0.07	0.15	0.10	0.11	0.13
22	0.10	0.41	0.27	0.34	0.92	0.49	0.13	0.04	0.64	0.11	0.13	0.11
23	0.10	0.27	3.15	0.37	0.88	0.46	0.12	0.22	0.90	0.16	0.11	0.11
24	0.08	0.25	0.80	0.37	0.88	0.40	0.11	0.05	0.14	0.13	0.13	0.11
25	0.08	0.27	0.46	0.34	0.83	0.40	0.30	0.38	0.11	0.11	0.13	0.11
26	0.09	0.25	0.46	0.81	0.79	0.38	0.23	0.17	0.11	0.11	0.19	0.13
27	0.09	0.25	0.46	0.69	0.75	0.34	0.14	0.13	0.11	0.13	0.16	0.13
28	0.10	0.25	0.43	0.37	0.70	0.30	0.09	0.08	0.10	0.13	0.13	0.11
29	0.31		0.40	0.37	0.67	0.17	0.08	0.10	0.09	0.1.	0.13	0.11
30	0.17		0.40	0.34	0.67	0.16	0.08	0.08	0.09	0.13	0.13	0.11
31	0.16		0.43		0.60		0.08	0.06		0.13		0.11
MEAN	0.1013	0.2799	0.4289	0.4165	2.7913	1.3204	0.3288	0.1058	0.1638	0.1124	0.1181	0.1323
INCHES	0.051	0.128	0.217	0.204	1.414	0.647	0.167	0.054	0.080	0.057	0.058	0.067
STA AV	0.070	0.079	0.159	0.470	0.605	0.297	0.100	0.022	0.105	0.059	0.067	0.059

Station Averages: 3 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.01634.

1970	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.11	0.13	0.14	0.19	0.15	0.13	0.0	0.0	0.0	0.06	0.04	0.08
2	0.11	0.10	0.14	0.14	0.09	0.07	0.0	0.0	0.0	0.06	0.06	0.08
3	0.11	0.10	0.13	0.13	0.09	0.08	0.0	0.0	0.0	0.06	0.08	0.08
4	0.11	0.13	0.11	0.18	0.09	0.24	0.0	0.0	0.0	0.06	0.09	0.07
5	0.11	0.11	0.11	0.16	0.08	0.09	0.0	0.0	0.0	1.40	0.09	0.08
6	0.11	0.13	0.25	0.13	0.08	0.10	0.0	0.0	0.0	0.13	0.07	0.08
7	0.11	0.13	0.20	0.11	0.06	0.08	0.0	0.0	0.0	0.31	0.07	0.08
8	0.11	0.10	0.14	0.11	0.06	0.06	0.0	0.0	0.0	1.53	0.07	0.08
9	0.11	0.10	0.13	0.11	0.07	0.05	0.0	0.0	0.0	0.13	0.06	0.09
10	0.13	0.11	0.11	0.11	0.07	0.05	0.0	0.0	0.0	0.09	0.05	0.09
11	0.23	0.11	0.11	0.11	0.07	0.07	0.0	0.0	0.0	0.09	0.05	0.07
12	0.21	0.11	0.11	0.11	0.06	0.07	0.00	0.0	0.0	0.04	0.06	0.07
13	0.21	0.11	0.11	0.09	0.07	0.05	0.0	0.0	0.0	0.06	0.27	0.08
14	0.21	0.11	0.11	0.10	1.52	0.04	0.0	0.0	0.0	0.06	0.03	0.08
15	0.21	0.11	0.11	0.11	0.93	0.04	0.0	0.0	0.02	0.06	0.02	0.13
16	0.16	0.11	0.21	0.14	0.08	0.02	0.0	0.0	0.03	0.06	0.02	0.10
17	0.14	0.11	0.16	0.16	0.07	0.02	0.0	0.0	0.09	0.07	0.03	0.08
18	0.13	0.10	0.14	0.16	0.06	0.01	0.0	0.0	0.06	0.07	0.03	0.09
19	0.13	0.10	0.16	0.13	0.06	0.01	0.0	0.75	0.04	0.08	0.03	0.07
20	0.13	0.10	0.13	0.10	0.06	0.01	0.0	0.02	0.04	0.09	0.04	0.08
21	0.13	0.11	0.14	0.08	0.05	0.01	0.0	0.02	0.03	0.10	0.05	0.10
22	0.13	0.18	0.13	0.10	0.06	0.01	0.0	0.02	23.31	0.23	0.06	0.10
23	0.14	0.16	0.11	0.10	0.06	0.01	0.0	0.04	3.27	0.53	0.06	0.08
24	0.14	0.16	0.11	0.10	0.06	0.01	0.0	0.02	0.05	0.12	0.07	0.08
25	0.13	0.13	0.11	0.11	0.06	0.01	0.0	0.02	0.06	0.09	0.09	0.08
26	0.13	0.11	0.10	0.11	0.05	0.01	0.0	0.0	0.05	0.08	0.09	0.09
27	0.14	0.13	0.10	0.10	0.06	0.01	0.0	0.0	0.05	0.06	0.08	0.09
28	0.14	0.20	0.26	0.09	0.07	0.01	0.0	0.0	0.05	0.15	0.09	0.09
29	0.11		0.14	0.15	6.06	0.0	0.0	0.0	0.05	0.04	0.09	0.09
30	0.11		0.14	1.14	0.43	0.0	0.0	0.0	0.06	0.04	0.08	0.09
31	0.11		0.16		0.13		0.0	0.0		0.04		0.09
MEAN	0.1384	0.1210	0.1392	0.1557	0.3518	0.0457	0.0002	0.0287	0.9090	0.1933	0.0674	0.0851
INCHES	0.070	0.055	0.071	0.076	0.178	0.022	0.000	0.015	0.446	0.098	0.033	0.043
STA AV	0.070	0.073	0.137	0.372	0.498	0.228	0.075	0.020	0.190	0.069	0.059	0.055

Station Averages: 4 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.01634.

1971	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.09	0.08	0.10	0.05	0.05	0.77	0.23	0.0	0.0	0.04	0.09	0.10
2	0.11	0.09	0.10	0.06	0.04	1.43	0.77	0.0	0.0	25.77	0.08	0.19
3	0.23	0.10	0.10	0.06	0.05	9.57	0.04	0.0	0.0	4.81	0.08	0.21
4	0.09	0.10	0.11	0.06	0.06	0.11	0.02	0.0	0.0	0.29	0.08	0.18
5	0.08	0.09	0.11	0.06	0.06	0.07	0.01	0.0	0.0	0.14	0.07	0.17
6	0.08	0.08	0.09	0.07	0.06	0.07	0.0	0.0	0.0	0.10	0.06	0.13
7	0.08	0.08	0.09	0.06	0.05	0.62	0.0	0.0	0.0	0.10	0.06	0.13
8	0.08	0.08	0.10	0.06	0.04	1.90	0.0	0.41	0.0	0.09	0.08	0.25
9	0.08	0.08	0.09	0.06	0.23	0.08	0.0	0.04	0.0	0.07	0.08	0.19
10	0.08	0.08	0.09	0.06	0.07	0.08	0.0	0.02	0.0	0.07	0.08	0.27
11	0.08	0.08	0.09	0.06	0.05	0.19	0.0	0.01	0.0	0.07	0.09	0.16
12	0.09	0.08	0.10	0.06	0.04	1.18	0.0	0.0	0.0	0.07	0.09	0.14
13	0.09	0.09	0.09	0.05	0.03	0.22	0.0	0.18	0.0	0.07	0.09	0.14
14	0.09	0.09	0.07	0.06	0.03	0.16	0.0	0.57	0.0	0.07	0.09	10.58
15	0.09	0.09	0.07	0.06	0.03	0.05	0.0	0.11	0.0	0.07	0.09	1.90
16	0.09	0.09	0.09	0.09	0.03	0.05	0.0	0.13	0.0	0.06	0.09	0.40
17	0.10	0.26	0.09	0.10	0.03	0.04	0.0	0.06	0.0	0.07	0.13	0.30
18	0.09	0.11	0.07	0.08	0.03	0.03	0.0	0.03	7.54	0.19	0.09	0.25
19	0.08	0.09	0.08	0.08	0.02	0.03	0.0	0.02	0.07	0.32	0.09	0.25
20	0.10	0.09	0.08	0.09	0.02	0.03	0.0	0.01	0.05	0.29	0.11	0.25
21	0.10	1.06	0.09	0.08	0.02	0.18	0.0	0.01	0.03	0.09	0.11	0.23
22	0.10	0.18	0.09	0.09	0.02	0.05	0.0	0.01	0.03	0.08	0.17	0.21
23	0.09	0.14	0.10	0.08	1.82	0.04	0.31	0.01	0.03	0.08	0.16	0.21
24	0.10	0.14	0.10	0.07	0.04	0.03	0.02	0.01	7.31	0.08	0.10	0.19
25	0.09	0.14	0.10	0.07	0.02	0.02	0.0	0.01	0.40	0.07	0.11	0.19
26	0.09	0.11	0.09	0.07	0.04	0.01	0.0	0.01	0.08	0.36	0.13	0.19
27	0.08	0.10	0.09	0.05	0.36	0.01	0.0	0.0	0.07	0.25	0.10	0.19
28	0.09	0.10	0.09	0.05	0.06	0.0	0.02	0.0	0.06	0.10	0.11	0.19
29	0.08		0.07	0.06	0.06	0.00	0.01	0.0	0.04	0.10	0.10	0.56
30	0.08		0.06	0.05	0.06	0.01	0.0	0.0	0.04	0.10	0.10	0.46
31	0.08		0.06		1.02		0.0	0.0		0.09		0.25
MEAN	0.0930	0.1393	0.0887	0.0667	0.1463	0.5674	0.0457	0.0530	0.5250	1.1018	0.0968	0.6153
INCHES	0.047	0.064	0.045	0.033	0.074	0.278	0.023	0.027	0.257	0.558	0.047	0.312
STA AV	0.065	0.071	0.118	0.304	0.413	0.238	0.065	0.022	0.204	0.167	0.057	0.106

Station Averages: 5 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.01634.

1972	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBERG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.25	0.19	0.17	0.16	0.23	0.14	0.02	0.0	0.0	0.02	1.00	0.13
2	0.23	0.19	0.16	0.17	0.19	0.13	0.28	0.0	0.0	0.03	0.29	0.11
3	0.23	0.17	0.17	0.14	0.17	0.13	0.24	0.0	0.01	0.01	0.16	0.11
4	0.17	0.17	0.16	0.14	0.19	0.11	0.11	0.0	0.03	0.05	0.13	0.11
5	0.19	0.17	0.16	0.17	0.16	0.11	0.08	0.0	0.02	0.01	0.11	0.13
6	0.23	0.17	0.17	0.17	0.32	0.10	0.07	0.0	0.02	0.01	0.11	0.11
7	0.23	0.17	0.17	0.14	0.25	0.09	0.06	0.0	0.01	0.01	0.10	0.11
8	0.25	0.17	0.16	0.13	0.21	0.09	0.07	0.0	0.05	0.02	0.10	0.11
9	0.23	0.17	0.16	0.14	0.19	0.08	0.08	0.00	0.03	0.02	0.10	0.11
10	0.21	0.17	0.17	0.16	0.17	0.08	0.06	0.0	0.01	0.02	0.09	0.13
11	0.19	0.19	0.17	0.17	0.17	0.07	0.06	0.0	0.01	0.01	0.09	0.14
12	0.21	0.21	0.17	0.16	0.09	0.09	0.06	0.0	0.01	0.01	0.99	0.15
13	0.17	0.28	0.17	0.13	0.71	0.12	0.06	0.0	0.0	0.01	0.65	0.16
14	0.16	0.25	0.17	0.14	0.37	0.12	0.04	0.0	0.0	0.02	0.14	0.16
15	0.16	0.23	0.17	1.27	0.29	0.09	0.02	0.02	0.00	0.01	0.13	0.16
16	0.17	0.21	0.16	0.19	0.25	0.09	0.02	0.00	0.01	0.02	0.11	0.16
17	0.23	0.21	0.16	0.16	0.23	0.07	0.02	0.0	0.0	0.02	0.10	0.17
18	0.25	0.17	0.16	0.16	0.21	0.06	0.02	0.0	0.0	0.02	0.42	0.17
19	0.21	0.17	0.16	0.15	0.19	0.06	0.03	0.0	0.0	0.02	0.28	0.16
20	0.19	0.19	0.40	0.99	0.17	0.06	0.02	0.0	0.0	0.03	0.16	0.17
21	0.19	0.19	0.35	0.27	0.17	0.05	0.02	0.0	0.0	1.48	0.19	0.16
22	0.21	0.17	0.19	0.19	0.17	0.04	0.02	0.0	0.01	0.57	0.16	0.14
23	0.21	0.21	0.23	0.17	0.17	0.11	0.02	0.01	0.02	0.08	0.13	0.13
24	0.19	0.21	0.24	0.16	0.16	0.10	0.02	0.01	0.01	0.07	0.17	0.11
25	0.17	0.19	0.17	0.16	0.14	0.07	0.01	0.06	0.01	0.06	0.16	0.13
26	0.19	0.17	0.19	0.19	0.13	0.06	0.0	0.01	0.01	0.10	0.14	0.13
27	0.19	0.17	0.17	4.22	0.13	0.05	0.0	0.01	0.02	0.13	0.13	0.13
28	0.19	0.19	0.17	0.34	0.13	0.07	0.0	0.00	0.02	0.10	0.13	0.14
29	0.19	0.19	0.17	0.27	0.37	0.04	0.0	0.01	0.01	0.10	0.13	0.16
30	0.19		0.17	0.35	0.19	0.03	0.0	0.01	0.01	6.54	0.13	0.17
31	0.19		0.17		0.16		0.0	0.0		14.61		0.13
MEAN	0.2023	0.1912	0.1856	0.3801	0.4415	0.0834	0.0485	0.0047	0.0111	0.7808	0.2239	0.1389
INCHES	0.102	0.091	0.094	0.186	0.224	0.041	0.025	0.002	0.005	0.396	0.110	0.070
STA AV	0.072	0.074	0.114	0.284	0.382	0.205	0.058	0.019	0.171	0.205	0.065	0.100

Station Averages: 6 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.01634.

1973	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBERG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.13	0.46	0.40	2.09	1.52	9.61	0.96	0.53	0.34	0.09	0.49	1.59
2	0.14	0.38	0.40	2.20	1.28	50.69	0.87	0.46	0.28	0.09	0.43	1.28
3	0.61	0.35	0.43	2.87	1.22	5.43	0.87	0.90	0.24	0.10	0.38	1.11
4	0.26	0.38	0.43	2.02	1.28	42.54	0.79	0.43	2.44	0.11	0.38	0.96
5	0.22	0.38	0.40	1.87	1.22	14.70	0.74	0.40	0.39	0.09	0.35	0.87
6	0.22	0.35	5.43	1.87	3.27	4.11	0.74	0.38	2.98	0.11	0.38	0.79
7	0.22	0.44	0.87	1.87	1.69	3.16	0.67	0.30	0.59	0.09	0.40	0.74
8	0.22	0.35	0.87	2.45	1.22	2.77	0.63	0.28	0.49	0.09	0.40	0.71
9	0.22	0.35	0.74	1.94	1.11	2.50	0.63	0.48	0.38	0.09	0.40	0.71
10	0.22	0.38	8.92	1.79	1.06	2.33	0.74	0.33	0.32	0.09	0.40	0.67
11	0.20	0.40	2.09	1.79	1.01	2.25	0.83	0.28	0.26	0.25	0.40	0.71
12	0.20	0.40	1.34	1.72	0.91	2.09	0.59	0.28	0.84	0.17	0.40	0.71
13	0.22	0.38	1.59	1.79	0.91	2.07	0.63	0.20	4.36	0.11	0.40	0.71
14	0.26	0.35	1.13	1.79	0.91	2.17	0.75	0.07	0.42	0.11	0.40	0.67
15	0.32	0.35	0.96	5.30	0.91	1.87	0.63	0.45	0.35	0.11	0.40	0.63
16	0.41	0.35	0.91	2.92	0.87	3.72	0.59	0.85	0.33	0.11	0.38	0.63
17	0.35	0.38	0.91	2.25	0.83	2.34	0.51	0.22	0.64	0.12	0.38	0.63
18	0.26	0.43	0.87	2.17	0.91	2.68	0.49	0.18	0.40	0.11	0.40	0.67
19	0.24	0.40	0.83	4.02	0.96	6.76	0.46	0.20	0.40	0.13	1.96	0.63
20	0.26	0.38	0.91	2.25	1.06	2.13	0.78	0.18	0.38	0.20	4.89	0.56
21	1.27	0.35	0.91	2.02	0.87	1.66	1.48	0.18	0.35	0.26	4.51	0.59
22	0.53	0.38	0.91	2.23	1.56	1.46	2.34	0.18	0.35	0.28	4.02	0.59
23	0.33	0.43	9.11	2.17	14.01	1.34	5.62	0.16	0.35	0.28	3.58	0.63
24	0.30	0.38	22.57	1.94	68.30	1.22	0.76	0.15	0.16	0.30	3.97	0.63
25	0.41	0.40	11.45	1.79	9.61	1.17	0.56	0.15	0.08	0.24	4.14	0.59
26	2.02	0.43	3.36	1.72	2.46	1.06	0.53	0.13	0.44	0.28	3.69	0.59
27	0.63	0.40	2.87	1.66	1.55	1.01	0.46	0.15	0.21	0.98	3.26	0.56
28	0.38	0.38	2.77	1.66	1.22	1.18	0.46	0.17	0.11	0.71	2.87	0.53
29	0.35		2.50	1.66	1.06	1.22	0.49	0.24	0.09	0.56	2.42	0.53
30	0.38		2.68	1.66	1.22	1.06	1.31	0.22	0.09	0.49	1.94	0.53
31	0.45		2.42		22.71		0.95	0.22		0.49		0.46
MEAN	0.3949	0.3855	2.9675	2.1831	4.7577	5.9434	0.9310	0.3014	0.6350	0.2321	1.6142	0.7164
INCHES	0.200	0.176	1.503	1.070	2.430	2.914	0.472	0.153	0.311	0.118	0.791	0.363
STA AV	0.090	0.089	0.313	0.397	0.674	0.592	0.117	0.038	0.191	0.192	0.169	0.138

Station Averages: 7 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.01634.

1974	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.43	0.43	0.53	0.46	0.67	0.16	0.15	0.09	0.15	0.15	0.81	0.22
2	0.43	0.43	0.53	0.43	0.18	0.16	0.13	0.09	0.20	0.13	0.45	0.18
3	0.46	0.40	0.53	0.40	0.16	0.18	0.13	0.09	0.13	0.12	0.98	0.15
4	0.46	0.40	0.49	0.40	0.16	0.18	0.13	0.09	0.12	0.12	0.90	0.16
5	0.49	0.43	0.40	0.40	0.16	0.18	0.13	0.09	0.12	0.12	0.56	0.15
6	0.49	0.43	0.46	0.40	0.16	0.36	0.13	0.10	0.13	0.12	0.43	0.15
7	0.49	0.40	0.46	0.38	0.13	0.20	0.13	0.09	0.12	0.13	0.38	0.15
8	0.56	0.40	0.46	0.38	0.12	0.20	0.13	0.09	0.13	0.13	0.38	0.17
9	0.53	0.40	0.49	0.40	0.12	0.18	0.09	0.30	0.13	0.12	0.46	0.13
10	0.53	0.43	1.27	0.43	0.12	0.16	0.09	0.45	0.13	0.12	0.59	0.18
11	0.49	0.43	1.87	2.10	0.12	0.13	0.09	0.08	0.13	0.12	0.49	0.33
12	0.46	0.40	1.72	1.87	0.11	0.13	0.09	0.08	0.15	0.13	0.40	0.28
13	0.46	0.40	1.34	1.46	0.12	0.13	0.09	0.08	0.15	0.12	0.47	0.24
14	0.53	0.43	1.01	1.17	0.12	0.15	0.09	0.08	0.15	0.12	0.40	0.24
15	0.56	0.40	0.79	0.91	0.12	0.13	0.09	0.08	0.17	0.12	0.35	0.20
16	0.56	0.40	0.67	0.71	0.12	0.13	0.09	0.08	0.19	0.12	0.35	0.18
17	0.59	0.40	0.59	0.63	0.13	0.12	0.09	0.08	0.16	0.12	0.35	0.22
18	0.56	0.46	0.63	0.59	0.13	0.12	0.05	0.09	0.15	0.12	0.38	0.27
19	0.53	0.46	0.56	0.59	0.13	0.12	0.06	0.09	0.16	0.12	0.40	0.22
20	0.53	0.47	0.59	0.59	0.13	0.12	0.06	0.09	0.16	0.12	0.38	0.22
21	0.53	1.69	0.67	0.59	0.13	0.12	0.06	0.09	0.15	0.11	0.35	0.22
22	0.53	1.40	0.63	0.56	0.13	0.12	0.06	0.11	0.15	0.09	0.35	0.24
23	0.49	1.05	0.67	0.53	0.13	0.12	0.06	0.11	0.15	0.09	0.38	0.24
24	0.46	0.74	0.59	0.49	0.13	0.13	0.07	0.12	0.19	0.14	0.40	0.27
25	0.46	0.59	0.59	0.46	0.21	0.13	0.06	0.12	0.15	0.14	0.33	0.16
26	0.46	0.56	0.59	0.33	0.15	0.13	0.06	0.12	0.13	0.13	0.38	0.18
27	0.49	0.53	0.59	0.11	0.15	0.15	0.06	0.16	0.13	0.15	0.40	0.18
28	0.46	0.53	0.59	0.11	0.15	0.15	0.07	0.15	0.12	0.39	0.43	0.20
29	0.46		0.56	1.53	0.15	0.15	0.08	0.15	0.12	0.18	0.48	0.24
30	0.43		0.46	0.19	0.15	0.15	0.09	0.13	0.13	0.95	0.35	0.24
31	0.43		0.46		0.21		0.08	0.15		2.50		0.49
MEAN	0.4946	0.5530	0.7058	0.6530	0.1580	0.1528	0.0900	0.1199	0.1450	0.2372	0.4585	0.2161
INCHES	0.251	0.253	0.358	0.320	0.080	0.075	0.046	0.061	0.071	0.120	0.225	0.109
STA AV	0.110	0.109	0.318	0.387	0.600	0.528	0.108	0.041	0.176	0.183	0.176	0.134

Station Averages: 8 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.01634.

1975	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.43	0.83	0.79	3.16	0.18	7.95	4.30	0.15	0.08	0.10	0.10	1.48
2	1.43	0.79	0.74	3.06	0.24	6.62	4.06	0.16	0.08	0.06	0.10	2.72
3	1.34	1.04	0.67	3.06	0.22	6.46	3.82	0.16	0.07	0.06	0.11	2.63
4	0.74	1.46	0.71	3.06	0.22	6.31	1.89	0.18	0.06	0.06	0.11	2.63
5	0.59	1.11	0.74	2.96	0.24	6.16	0.67	0.18	0.05	0.06	0.11	1.76
6	0.53	0.79	0.79	2.96	0.26	6.16	0.63	0.16	0.03	0.06	0.12	0.11
7	0.53	0.71	1.06	3.00	0.26	5.86	0.67	0.16	0.04	0.09	0.12	0.09
8	0.53	0.79	1.34	2.96	0.26	5.86	0.63	0.13	0.06	0.09	0.12	0.09
9	0.53	0.59	1.01	2.87	0.26	5.71	0.59	0.15	0.06	0.09	0.12	0.09
10	0.53	0.59	0.87	2.87	0.28	6.73	0.72	0.15	0.06	0.06	0.14	0.10
11	0.46	0.71	0.96	2.77	0.30	6.16	0.59	0.15	0.08	0.06	0.10	0.11
12	0.48	0.63	1.01	2.77	0.33	6.16	0.59	0.13	0.07	0.06	0.10	0.10
13	0.33	0.67	0.79	2.68	0.45	6.01	0.59	0.12	0.06	0.06	0.10	0.09
14	0.38	0.67	0.67	1.93	0.42	6.01	0.53	0.13	0.09	0.06	0.11	0.09
15	0.40	0.71	0.74	0.30	0.35	5.86	0.53	0.12	0.07	0.11	0.10	0.09
16	0.43	0.79	0.83	0.30	0.35	5.71	0.53	0.12	0.07	0.06	0.10	0.07
17	0.35	0.87	0.87	0.30	0.35	5.92	0.53	0.13	0.09	0.06	0.09	0.07
18	0.38	0.91	1.06	0.30	0.35	5.57	0.53	0.09	0.07	0.06	0.09	0.07
19	0.56	1.06	2.01	0.30	0.41	5.43	0.53	0.08	0.06	0.06	0.11	0.07
20	0.24	1.01	3.58	0.26	0.27	5.29	0.53	0.08	0.06	0.07	0.09	0.07
21	0.33	1.06	3.47	0.20	0.20	5.02	0.53	0.08	0.07	0.09	0.06	0.07
22	0.28	1.74	3.47	0.16	2.56	5.20	0.49	0.08	0.07	0.10	0.06	0.07
23	0.28	1.33	3.47	0.16	14.87	5.45	0.46	0.09	0.06	0.10	0.05	0.07
24	0.38	1.01	3.47	0.16	14.62	5.43	0.60	0.09	0.06	0.09	0.05	0.11
25	0.38	0.87	3.36	0.16	10.35	5.43	0.43	0.11	0.06	0.07	0.06	0.11
26	0.38	0.79	3.36	0.16	8.26	5.29	0.47	0.09	0.07	0.09	0.07	0.09
27	0.40	0.74	3.47	0.18	2.42	5.02	0.30	0.09	0.07	0.09	0.07	0.07
28	0.40	0.74	3.36	0.18	4.18	4.89	0.22	0.09	0.07	0.07	0.07	0.07
29	0.49		3.36	0.50	5.36	4.63	0.18	0.09	0.07	0.09	0.07	0.10
30	0.51		3.26	0.21	4.58	4.38	0.16	0.08	0.09	0.10	0.07	0.07
31	1.01		3.16		4.77		0.13	0.08		0.10		0.07
MEAN	0.5172	0.8932	1.8857	1.4647	2.3604	5.7561	0.8851	0.1195	0.0666	0.0768	0.0923	0.4332
INCHES	0.262	0.409	0.955	0.718	1.196	2.822	0.448	0.061	0.033	0.039	0.045	0.219
STA AV	0.127	0.143	0.389	0.424	0.666	0.783	0.146	0.043	0.160	0.167	0.162	0.144

Station Averages: 9 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.01634.

1976	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.09	0.09	0.09	0.15	0.20	0.07	0.07	0.07	0.06	0.09	0.07	0.06
2	0.08	0.09	0.09	0.16	0.20	0.05	0.07	0.07	0.06	0.09	0.07	0.06
3	0.08	0.09	0.09	0.15	0.18	0.06	0.07	0.07	0.05	0.09	0.07	0.07
4	0.09	0.09	0.09	0.15	0.18	0.05	0.07	0.07	0.05	0.09	0.06	0.07
5	0.09	0.10	0.08	0.15	0.20	0.05	0.07	0.10	0.05	0.08	0.06	0.07
6	0.09	0.09	0.08	0.15	0.20	0.05	0.06	0.19	0.04	0.07	0.06	0.06
7	0.08	0.10	0.17	0.16	0.20	0.05	0.05	0.08	0.05	0.07	0.06	0.07
8	0.08	0.09	0.26	0.15	0.18	0.05	0.06	0.08	0.05	0.07	0.06	0.07
9	0.09	0.09	0.13	0.13	0.18	0.04	0.05	0.07	0.06	0.07	0.06	0.08
10	0.10	0.30	0.10	0.13	0.18	0.04	0.05	0.07	0.05	0.07	0.07	0.07
11	0.09	0.68	0.10	0.13	0.18	0.08	0.05	0.06	0.04	0.07	0.08	0.07
12	0.09	0.60	0.09	0.15	0.12	0.06	0.05	0.06	0.11	0.05	0.09	0.07
13	0.09	0.53	0.09	0.13	0.07	0.07	0.06	0.07	0.20	0.05	0.09	0.07
14	0.09	0.47	0.10	0.13	0.05	0.07	0.05	0.06	0.08	0.05	0.09	0.07
15	0.09	0.47	0.09	0.18	0.05	0.05	0.65	0.05	0.08	0.05	0.09	0.06
16	0.09	0.47	0.09	0.16	0.05	0.04	0.29	0.05	0.07	0.04	0.09	0.05
17	0.09	0.47	0.10	0.15	0.05	0.04	0.10	0.04	0.08	0.04	0.09	0.05
18	0.09	0.38	0.12	0.15	0.05	0.05	0.08	0.05	0.07	0.05	0.08	0.07
19	0.09	0.38	0.15	0.39	0.05	0.04	0.07	0.05	0.08	0.05	0.08	0.07
20	0.09	0.38	0.15	0.18	0.05	0.04	0.07	0.05	0.08	0.06	0.07	0.08
21	0.09	0.38	0.13	0.18	0.06	0.04	0.06	0.04	0.07	0.05	0.07	0.09
22	0.09	0.38	0.10	0.18	0.06	0.05	0.06	0.04	0.07	0.05	0.07	0.09
23	0.09	0.38	0.10	0.18	0.06	0.07	0.06	0.04	0.07	0.09	0.07	0.09
24	0.09	0.41	0.16	0.16	0.06	0.33	0.07	0.04	0.07	0.08	0.07	0.09
25	0.09	0.47	2.35	0.16	0.06	0.07	0.08	0.05	0.08	0.07	0.07	0.08
26	0.09	0.50	6.90	0.18	0.08	0.07	0.07	0.05	0.09	0.06	0.07	0.08
27	0.09	0.36	6.59	0.18	0.06	0.05	0.07	0.05	0.09	0.05	0.07	0.08
28	0.10	0.09	6.13	0.31	0.06	0.05	0.11	0.05	0.09	0.06	0.07	0.07
29	0.09	0.08	2.77	0.22	0.05	0.06	0.09	0.05	0.08	0.23	0.07	0.07
30	0.09		0.18	0.20	0.06	0.07	0.08	0.05	0.09	0.11	0.07	0.06
31	0.09		0.18		0.06		0.07	0.05		0.07		0.05
MEAN	0.0894	0.3107	0.8985	0.1729	0.1061	0.0636	0.0936	0.0619	0.0739	0.0718	0.0730	0.0706
INCHES	0.046	0.147	0.455	0.085	0.054	0.031	0.048	0.031	0.036	0.036	0.036	0.036
STA AV	0.119	0.143	0.396	0.390	0.605	0.707	0.136	0.042	0.147	0.154	0.149	0.133

Station Averages: 10 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.01634.

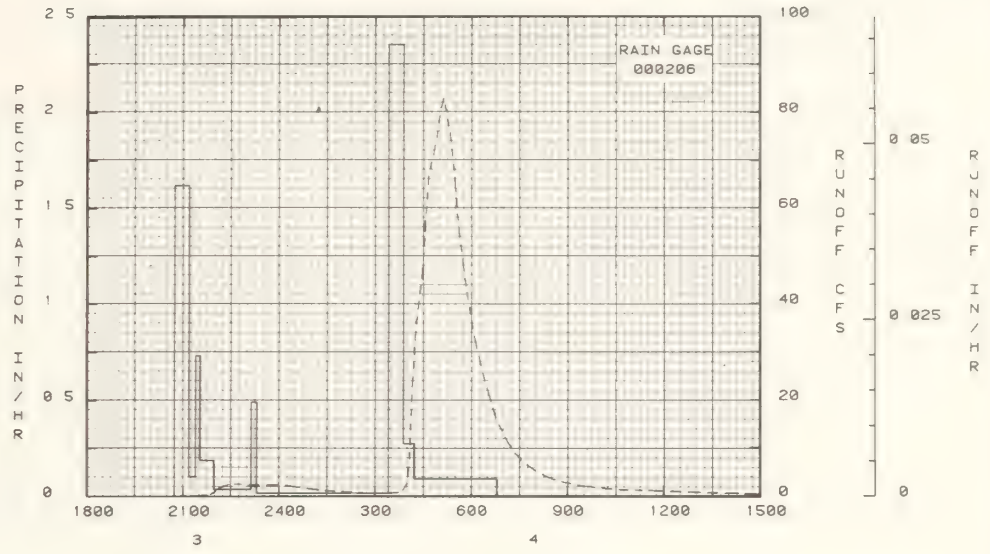
1977	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5144 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.06	0.04	0.08	0.04	0.11	0.58	0.14	0.08	0.09	0.07	0.12	0.11
2	0.06	0.04	0.08	0.04	0.12	0.65	0.11	0.08	0.08	0.07	0.12	0.11
3	0.06	0.04	0.08	0.04	0.49	0.65	0.09	0.08	0.08	0.08	0.11	0.11
4	0.11	0.04	0.08	0.04	0.13	0.65	0.11	0.07	0.08	0.14	0.09	0.11
5	0.11	0.04	0.07	0.04	0.20	0.62	0.09	0.06	0.11	0.11	0.09	0.11
6	0.12	0.03	0.08	0.04	0.10	0.58	0.09	0.05	0.09	0.11	0.09	0.09
7	0.12	0.03	0.07	0.04	0.08	0.62	0.09	0.06	0.09	0.11	0.09	0.11
8	0.11	0.03	0.07	0.04	0.08	0.62	0.09	0.06	0.09	0.09	0.18	0.11
9	0.09	0.06	0.07	0.04	0.07	0.62	0.09	0.07	0.08	0.09	0.11	0.11
10	0.09	0.06	0.13	0.03	0.08	1.53	0.09	0.08	0.09	0.09	0.11	0.12
11	0.09	0.22	0.09	0.06	0.07	2.35	0.09	0.08	0.09	0.08	0.09	0.11
12	0.09	0.10	0.07	0.07	0.08	2.27	0.07	0.08	0.11	0.09	0.11	0.11
13	0.08	0.07	0.07	0.08	0.13	2.20	0.07	0.09	0.25	0.09	0.11	0.09
14	0.08	0.07	0.07	0.06	0.07	2.20	0.08	0.12	0.11	0.09	0.11	0.12
15	0.08	0.07	0.05	0.12	0.08	2.20	0.09	0.12	0.11	0.08	0.09	0.09
16	0.08	0.07	0.06	0.10	0.12	2.20	0.07	0.11	0.11	0.08	0.09	0.09
17	0.08	0.09	0.06	0.09	0.05	1.24	0.07	0.12	0.09	0.07	0.11	0.08
18	0.08	0.07	0.06	0.08	0.06	0.06	0.06	0.11	0.09	0.07	0.11	0.09
19	0.08	0.07	0.04	0.08	2.09	0.05	0.05	0.14	0.09	0.07	0.11	0.09
20	0.08	0.07	0.06	0.34	3.65	0.04	0.07	0.12	0.09	0.08	0.08	0.09
21	0.07	0.08	0.05	0.14	12.69	0.04	0.06	0.11	0.09	0.07	0.13	0.11
22	0.06	0.08	0.05	0.09	3.07	0.05	0.08	0.09	0.08	0.10	0.12	0.11
23	0.06	0.07	0.05	0.07	0.84	0.06	0.07	0.09	0.08	0.11	0.12	0.11
24	0.06	0.07	0.06	0.07	0.45	0.06	0.07	0.11	0.08	0.07	0.12	0.11
25	0.06	0.06	0.06	0.06	0.45	0.15	0.06	0.11	0.07	0.07	0.12	0.11
26	0.05	0.07	0.09	0.07	0.54	0.10	0.07	0.11	0.07	0.09	0.12	0.11
27	0.05	0.08	0.12	0.07	0.86	0.09	0.11	0.11	0.07	0.08	0.12	0.11
28	0.05	0.08	0.07	0.06	0.65	0.23	0.08	0.12	0.07	0.09	0.12	0.11
29	0.05		0.05	0.09	0.58	0.12	0.08	0.15	0.08	0.09	0.11	0.11
30	0.04		0.05	0.08	0.55	0.09	0.07	0.11	0.07	0.09	0.11	0.11
31	0.04		0.04		0.55		0.06	0.09		0.09		0.11
MEAN	0.0759	0.0683	0.0687	0.0752	0.9387	0.7637	0.0811	0.0961	0.0925	0.0874	0.1104	0.1052
INCHES	0.038	0.031	0.035	0.037	0.475	0.374	0.041	0.049	0.045	0.044	0.054	0.053
STA AV	0.111	0.133	0.363	0.358	0.593	0.677	0.127	0.042	0.138	0.144	0.140	0.126

Station Averages: 11 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.01634.

1968 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 3 - 4, 1968							
SG 000206			SG 000206							
9- 3	0.0	0.0	9- 3	2044	0.0	0.0	9- 3	2043	0.010	0.0
				2111	1.6222	0.73		2104	0.060	0.0000
				2123	0.1000	0.79		2119	0.110	0.0000
				2132	0.7333	0.86		2145	0.250	0.0001
				2158	0.1846	0.94		2152	0.520	0.0001
WATERSHED CONDITIONS:										
100% pasture.				2308	0.0343	0.98		2201	1.120	0.0002
				2319	0.4909	1.07		2208	1.800	0.0003
			9- 4	325	0.0146	1.13		2226	2.510	0.0007
				353	2.3571	2.23		2237	2.550	0.0011
				413	0.2700	2.32		2310	2.250	0.0020
				649	0.0885	2.55		2400	2.340	0.0033
							9- 4	26	2.020	0.0039
								100	1.530	0.0046
								131	1.070	0.0050
								203	0.830	0.0054
								246	0.590	0.0057
								328	0.560	0.0060
								343	0.750	0.0061
								352	1.230	0.0062
								400	2.680	0.0064
								404	6.120	0.0066
								407	15.190	0.0070
								410	23.490	0.0076
								415	32.850	0.0092
								422	40.750	0.0121
								428	46.170	0.0151
								434	55.870	0.0186
								440	66.700	0.0227
								453	73.230	0.0331
								501	79.430	0.0400
								508	83.010	0.0464
								521	75.260	0.0581
								530	64.810	0.0653
								537	55.300	0.0700
								545	48.230	0.0747
								552	42.220	0.0783
								601	36.250	0.0823
								608	32.030	0.0850
								616	28.500	0.0878
								626	23.830	0.0908
								637	19.660	0.0935
								646	16.240	0.0953
								658	13.440	0.0973
								707	11.390	0.0986
								722	8.780	0.1003
								734	7.370	0.1014
								746	6.270	0.1023
								801	5.130	0.1033
								822	3.900	0.1044
								837	3.260	0.1050
								853	2.770	0.1055
								928	2.020	0.1065
								951	1.730	0.1070
								1010	1.470	0.1073
								1040	1.230	0.1078
								1146	1.020	0.1086

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.



EVENT OF SEPTEMBER 3 - 4, 1968

CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

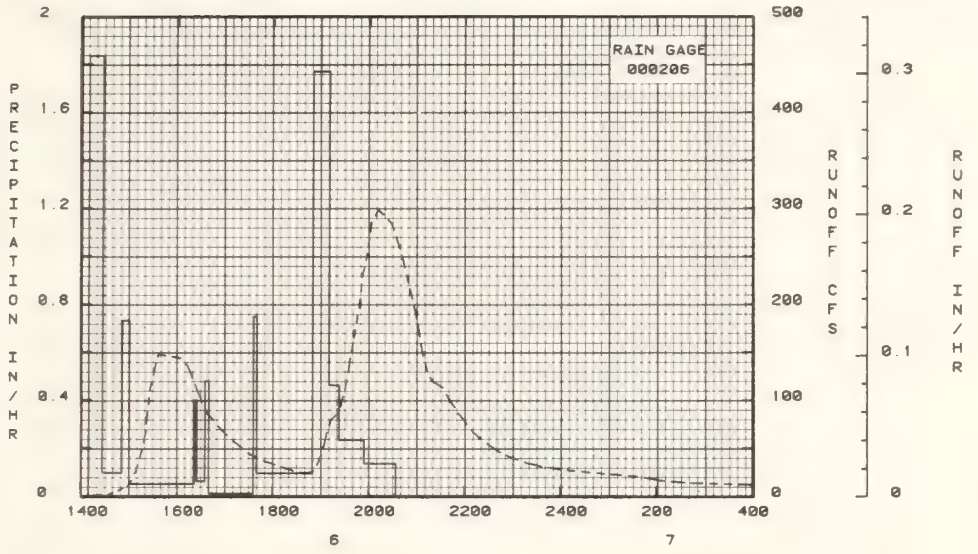
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 6 - 7, 1969							
RG 000206			RG 000206							
5- 6	0.0	0.009	5- 6	1409	0.0	0.0	5- 6	1415	0.920	0.0
				1426	1.8353	0.52		1426	1.470	0.0002
				1451	0.0960	0.56		1434	2.250	0.0003
				1500	0.7333	0.67		1440	3.130	0.0005
				1622	0.0512	0.74		1446	6.270	0.0009
WATERSHED CONDITIONS:										
100% pasture.				1625	0.4000	0.76		1452	8.600	0.0014
				1635	0.0600	0.77		1458	10.540	0.0020
				1640	0.4800	0.81		1503	16.780	0.0028
				1736	0.0107	0.82		1507	24.170	0.0038
				1740	0.7500	0.87		1511	32.440	0.0050
				1850	0.0943	0.98		1516	48.750	0.0073
				1910	1.7700	1.57		1521	67.980	0.0106
				1923	0.4615	1.67		1523	88.180	0.0124
				1954	0.2323	1.79		1526	111.650	0.0158
				2034	0.1350	1.88		1531	130.800	0.0227
								1536	147.660	0.0306
								1604	143.580	0.0769
								1613	135.630	0.0911
								1619	123.290	0.0999
								1625	110.790	0.1079
								1631	97.480	0.1150
								1637	86.680	0.1213
								1646	78.730	0.1297
								1655	69.270	0.1373
								1703	62.960	0.1433
								1713	55.870	0.1500
								1722	49.280	0.1554
								1730	44.170	0.1596
								1740	39.400	0.1644
								1751	35.810	0.1691

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.

1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 6 - 7, 1969 (CONTINUED)							
							5- 6	1803	32.440	0.1737
								1815	29.260	0.1779
								1826	26.280	0.1814
								1840	23.830	0.1854
								1851	26.280	0.1885
								1856	33.260	0.1902
								1901	43.190	0.1923
								1904	52.510	0.1940
								1908	66.700	0.1967
								1913	80.140	0.2009
								1922	86.680	0.2094
								1928	104.010	0.2159
								1933	121.450	0.2223
								1937	143.580	0.2283
								1943	173.620	0.2391
								1948	198.470	0.2496
								1952	230.720	0.2594
								1958	252.930	0.2758
								2003	285.510	0.2911
								2011	297.958	0.3176
								2028	283.979	0.3737
								2036	264.500	0.3986
								2043	244.450	0.4188
								2052	212.290	0.4422
								2058	192.370	0.4559
								2104	165.790	0.4681
								2108	145.610	0.4752
								2113	130.800	0.4830
								2119	119.630	0.4916
								2133	112.520	0.5100
								2140	101.530	0.5185
								2148	91.990	0.5273
								2155	83.010	0.5342
								2203	74.580	0.5414
								2211	66.700	0.5478
								2221	59.350	0.5549
								2233	51.420	0.5625
								2245	45.160	0.5691
								2255	41.270	0.5740
								2307	37.580	0.5793
								2319	34.100	0.5842
								2336	30.820	0.5905
								2400	27.750	0.5965
							5- 7	37	24.520	0.6094
								116	21.850	0.6197
								136	20.580	0.6245
								153	17.900	0.6282
								210	15.710	0.6314
								226	14.420	0.6342
								249	13.680	0.6379
								325	12.740	0.6433
								410	11.610	0.6495
								506	10.540	0.6565
								549	9.740	0.6615

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.



EVENT OF MAY 6 - 7, 1969

CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

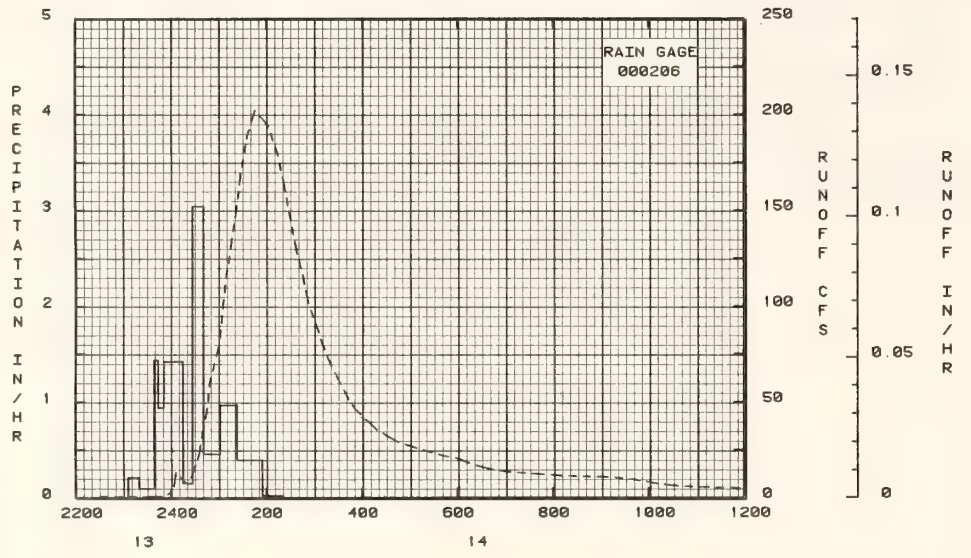
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 13 - 14, 1969							
RG 000206				RG 000206						
6-13	0.31	0.008	6-13	2306	0.0	0.0	6-13	2231	0.750	0.0
				2320	0.2143	0.05		2333	0.830	0.0006
				2339	0.0947	0.08		2348	1.070	0.0007
				2344	1.4400	0.20		2356	2.100	0.0009
				2351	0.9429	0.31		2400	3.570	0.0010
WATERSHED CONDITIONS:										
100% pasture.			6-14	15	1.4250	0.88	6-14	4	5.270	0.0012
				27	0.1500	0.91		6	13.440	0.0014
				41	3.0429	1.62		13	10.340	0.0024
				102	0.4571	1.78		19	7.880	0.0030
				123	0.9714	2.12		26	11.390	0.0038
				155	0.3938	2.33		31	17.060	0.0046
				221	0.0231	2.34		36	24.170	0.0057
								40	34.100	0.0071
								46	47.190	0.0098
								49	59.350	0.0116
								55	70.580	0.0161
								101	80.140	0.0212
								106	99.900	0.0263
								110	115.160	0.0312
								116	131.750	0.0396
								122	148.690	0.0491
								128	169.120	0.0600
								136	188.760	0.0762
								146	202.180	0.0984
								203	193.580	0.1365
								215	178.200	0.1619
								222	163.590	0.1754
								231	144.590	0.1912
								237	130.800	0.2005
								246	115.160	0.2131

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.

1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF JUNE 13 - 14, 1969 (CONTINUED)										
							6-14	253	101.530	0.2217
								303	89.690	0.2326
								313	77.330	0.2420
								322	68.620	0.2495
								333	59.350	0.2575
								343	51.420	0.2638
								352	46.170	0.2687
								406	40.320	0.2756
								419	35.380	0.2812
								431	32.440	0.2858
								446	28.880	0.2910
								500	27.010	0.2955
								519	24.520	0.3010
								540	22.170	0.3066
								558	20.580	0.3110
								615	18.190	0.3147
								628	16.240	0.3172
								645	14.670	0.3202
								707	13.200	0.3237
								740	12.280	0.3285
								811	11.390	0.3326
								900	10.750	0.3388
								940	9.540	0.3434
								958	8.240	0.3452
								1011	7.210	0.3464
								1028	6.420	0.3477

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.



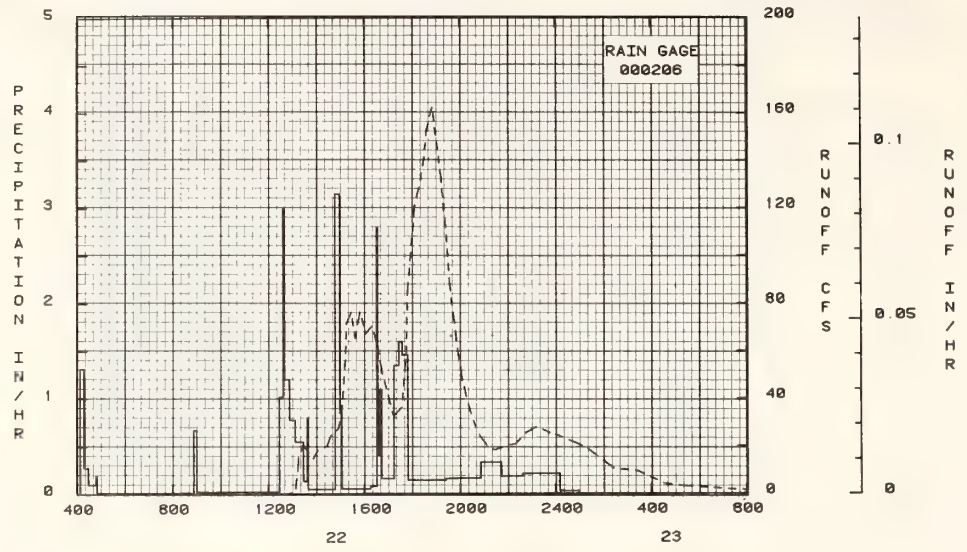
EVENT OF JUNE 13 - 14, 1969

CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

1970 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF SEPTEMBER 22 - 23, 1970						
	RG 000206			RG 000206						
9-22	0.0	0.000	9-22	407	0.0	0.0	9-22	422	0.060	0.0
				417	1.3200	0.22		522	0.070	0.0000
				428	0.2727	0.27		725	0.080	0.0001
				447	0.0947	0.30		828	0.100	0.0002
				450	0.2000	0.31		1025	0.060	0.0003
WATERSHED CONDITIONS:										
100% pasture.				852	0.0099	0.35		1238	0.100	0.0004
				900	0.6750	0.44		1249	0.300	0.0004
				1227	0.0203	0.51		1258	0.600	0.0005
				1237	1.0200	0.68		1308	2.350	0.0007
				1241	3.0000	0.88		1311	6.780	0.0008
				1253	1.2000	1.12		1316	15.300	0.0015
				1307	0.7714	1.30		1326	20.740	0.0035
				1328	0.5429	1.49		1341	17.180	0.0067
				1337	0.1333	1.51		1351	14.780	0.0085
				1340	0.8000	1.55		1403	18.610	0.0108
				1447	0.0448	1.60		1426	20.120	0.0159
				1459	3.1500	2.23		1437	24.700	0.0187
				1504	0.8400	2.30		1455	27.560	0.0240
				1616	0.0500	2.36		1504	34.350	0.0272
				1631	0.0800	2.38		1513	56.260	0.0318
				1634	2.8000	2.52		1516	71.760	0.0340
				1637	0.4000	2.54		1528	76.510	0.0441
				1643	1.1000	2.65		1537	65.290	0.0513
				1714	0.1548	2.73		1549	76.510	0.0610
				1726	1.3500	3.00		1604	67.200	0.0732
				1735	1.6000	3.24		1619	70.440	0.0849
				1749	1.4571	3.58		1634	61.590	0.0961
				1925	0.1438	3.81		1646	50.180	0.1037
				1955	0.1600	3.89		1706	37.410	0.1137
				2052	0.1684	4.05		1713	32.660	0.1165
				2144	0.3346	4.34		1734	36.520	0.1247
				2237	0.1811	4.50		1745	56.280	0.1305
				2322	0.2133	4.66		1749	65.870	0.1337
			9-23	10	0.2125	4.83		1758	101.460	0.1433
				100	0.0240	4.85		1807	121.430	0.1547
								1819	128.900	0.1717
								1831	141.610	0.1901
								1838	152.940	0.2018
								1852	162.600	0.2269
								1913	133.700	0.2622
								1925	111.610	0.2789
								1931	96.600	0.2860
								1937	85.050	0.2922
								1945	74.450	0.2994
								1952	64.040	0.3049
								1958	56.280	0.3090
								2007	47.540	0.3143
								2016	40.620	0.3188
								2028	33.510	0.3239
								2041	27.580	0.3284
								2052	23.670	0.3316
								2107	20.420	0.3353
								2126	18.320	0.3395
								2149	19.810	0.3445
								2219	21.050	0.3514
								2246	25.760	0.3586
								2310	27.950	0.3659
								2345	25.400	0.3765
								2400	24.700	0.3808
							9-23	49	21.370	0.3936
								122	18.610	0.4011
								145	15.580	0.4055
								226	10.410	0.4116
								325	9.420	0.4182
								434	4.040	0.4235
								525	2.980	0.4255

Conversion Factor: CFS to IN/HR, multiply by 0.00688086.



EVENT OF SEPTEMBER 22 - 23, 1970

CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

1971 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

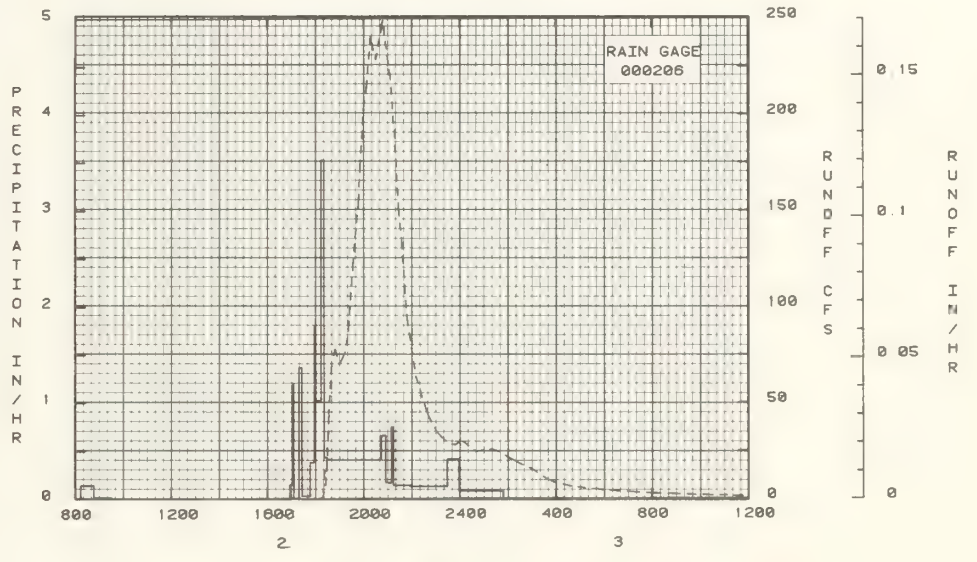
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 2 - 3, 1971							
RG 000206			RG 000206							
10- 2	0.0	0.000	10- 2	813	0.0	0.0	10- 2	1133	0.050	0.0
				846	0.1455	0.08		1534	0.060	0.0002
				929	0.0140	0.09		1707	0.060	0.0002
				1426	0.0	0.09		1728	0.100	0.0002
				1656	0.0080	0.11		1755	0.140	0.0003
WATERSHED CONDITIONS:										
100% pasture.				1704	0.1500	0.13		1811	0.350	0.0003
				1706	1.2000	0.17		1818	0.880	0.0004
				1719	0.0	0.17		1822	3.810	0.0005
				1726	1.3714	0.33		1825	7.260	0.0007
				1747	0.0286	0.34		1828	15.560	0.0010
				1758	0.3818	0.41		1831	31.860	0.0019
				1801	1.8000	0.50		1834	46.510	0.0032
				1814	1.0154	0.72		1841	71.100	0.0079
				1822	3.5250	1.19		1849	77.900	0.0146
				1829	0.4286	1.24		1900	69.780	0.0238
				2045	0.4015	2.15		1915	76.510	0.0363
				2055	0.6600	2.26		1923	88.830	0.0438
				2110	0.1600	2.30		1934	121.430	0.0569
				2114	0.7500	2.35		1948	155.050	0.0789
				2158	0.1364	2.45		1952	172.630	0.0863
				2329	0.1253	2.64		2001	203.680	0.1055
				2358	0.4138	2.84		2010	217.760	0.1270
			10- 3	149	0.0757	2.98		2018	240.670	0.1479
								2031	228.370	0.1825
								2046	244.860	0.2227
								2049	249.090	0.2311
								2108	217.760	0.2815
								2119	187.760	0.3068
								2128	150.840	0.3241
								2136	133.700	0.3370

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.

1971 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 2 - 3, 1971 (CONTINUED)							
							10- 2	2143	110.740	0.3867
								2149	93.450	0.3937
								2200	78.610	0.3644
								2211	63.430	0.3723
								2222	56.280	0.3807
								2237	46.010	0.3894
								2249	40.150	0.3953
								2303	34.780	0.4013
								2325	29.870	0.4093
								2348	27.950	0.4169
								2400	29.870	0.4208
							10- 3	[illegible]	29.870	0.4235
								40	28.700	[illegible]0.4334
								119	25.760	0.4446
								138	24.350	0.4500
								207	20.740	0.4574
								237	17.470	0.4639
								258	15.560	0.4679
								313	13.540	0.4703
								337	10.210	0.4736
								400	8.120	0.4760
								437	6.310	0.4790
								513	5.300	0.4814
								540	4.770	0.4829

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.



EVENT OF OCTOBER 2 - 3, 1971

CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

1972 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5144 NEAR MIDDLEBURG

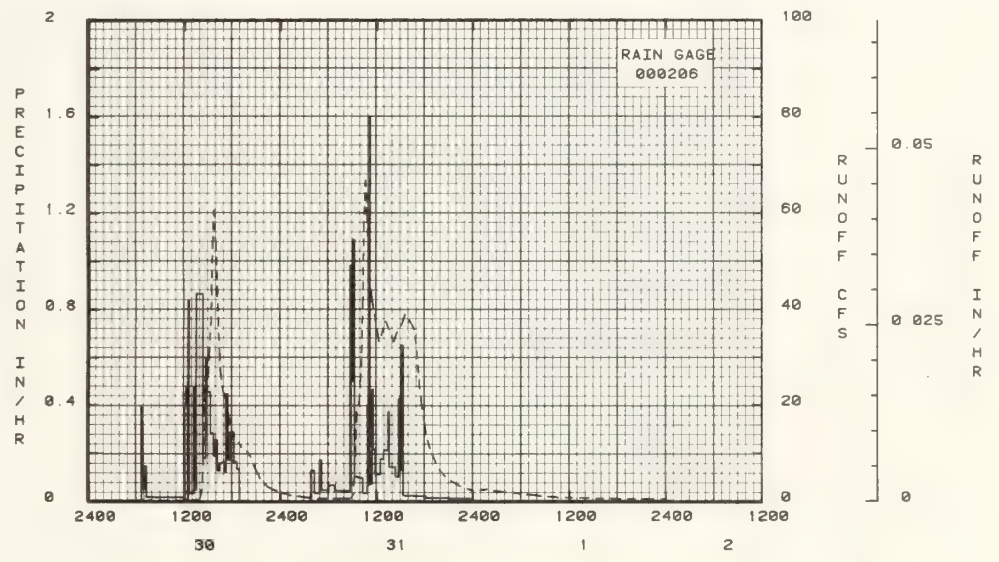
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 30 - NOVEMBER 1 1972							
RG 000206			RG 000206							
10-30	0.0	0.000	10-30	23	0.0	0.0	10-30	241	0.130	0.0
				634	0.0049	0.03		431	0.140	0.0002
				637	0.4000	0.05		641	0.160	0.0004
				643	0.3000	0.08		752	0.190	0.0005
				655	0.0500	0.09		956	0.210	0.0008
WATERSHED CONDITIONS:										
100% pasture.				711	0.1500	0.13		1137	0.250	0.0011
				1158	0.0167	0.21		1213	0.290	0.0012
				1210	0.4000	0.29		1303	0.340	0.0014
				1220	0.4800	0.37		1334	0.430	0.0015
				1225	0.0	0.37		1351	0.620	0.0016
				1230	0.8400	0.44		1410	2.600	0.0019
				1307	0.0324	0.46		1413	6.140	0.0021
				1312	0.4800	0.50		1418	11.910	0.0026
				1325	0.0462	0.51		1421	18.050	0.0031
				1417	0.8654	1.26		1425	23.720	0.0041
				1437	0.1800	1.32		1437	26.180	0.0075
				1450	0.6000	1.45		1448	22.710	0.0105
				1515	0.4560	1.64		1455	26.540	0.0125
				1534	0.2842	1.73		1504	30.750	0.0154
				1550	0.1875	1.78		1516	37.100	0.0200
				1604	0.2571	1.84		1522	45.200	0.0228
				1623	0.1263	1.88		1528	53.740	0.0262
				1638	0.1600	1.92		1538	60.730	0.0327
				1700	0.1636	1.98		1552	53.740	0.0418
				1710	0.1200	2.00		1603	44.200	0.0479
				1722	0.4500	2.09		1610	38.010	0.0512
				1743	0.1714	2.15		1621	30.750	0.0554
				1810	0.2889	2.28		1628	26.910	0.0577
				1832	0.1636	2.34		1643	23.720	0.0620
				1850	0.1333	2.38		1704	21.400	0.0674
			10-31	346	0.0	2.38		1722	18.640	0.0715
				414	0.1286	2.44		1743	16.100	0.0757
				452	0.0316	2.46		1810	13.060	0.0801
				506	0.1714	2.50		1843	12.130	0.0848
				559	0.0453	2.54		1907	11.250	0.0880
				643	0.0682	2.59		1949	10.400	0.0932
				838	0.0417	2.67		2018	9.210	0.0964
				849	0.9818	2.85		2049	6.760	0.0992
				901	0.5000	2.95		2126	4.630	0.1016
				912	1.0909	3.15		2222	2.960	0.1040
				936	0.1000	3.19		2330	2.100	0.1060
				1013	0.0573	3.25		2400	1.730	0.1066
				1050	0.0324	3.27	10-31	116	1.230	0.1079
				1053	0.4000	3.29		255	0.780	0.1090
				1102	0.0667	3.30		346	0.620	0.1094
				1108	1.6000	3.46		446	0.520	0.1098
				1125	0.0706	3.48		719	0.660	0.1109
				1134	0.4667	3.55		834	0.590	0.1114
				1148	0.2143	3.60		851	0.760	0.1115
				1226	0.1105	3.67		907	1.870	0.1118
				1253	0.1778	3.75		913	6.440	0.1120
				1324	0.2129	3.86		918	9.990	0.1125
				1332	0.3750	3.91		923	15.040	0.1132
				1419	0.1404	4.02		931	18.640	0.1147
				1443	0.1000	4.06		949	20.770	0.1188
				1450	0.4286	4.11		956	25.110	0.1206
				1504	0.1286	4.14		1007	31.150	0.1241
				1516	0.6500	4.27		1015	42.720	0.1274
				1634	0.0231	4.30		1022	58.340	0.1315
				1804	0.0200	4.33		1033	66.970	0.1393
				2104	0.0133	4.37		1046	59.530	0.1486
				2400	0.0102	4.40		1101	46.740	0.1576
								1119	43.210	0.1668
								1133	40.320	0.1735
								1200	35.770	0.1851
								1216	33.200	0.1914
								1307	37.550	0.2119
								1331	35.770	0.2218
								1406	33.200	0.2355
								1431	35.340	0.2453

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.

1972 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
							EVENT OF OCTOBER 30 - NOVEMBER 1, 1972 (CONTINUED)			
							10-31	1501	36.660	0.2575
								1531	38.920	0.2704
								1613	37.100	0.2885
								1640	35.770	0.2957
								1653	32.790	0.3047
								1721	23.380	0.3136
								1740	19.230	0.3182
								1756	16.370	0.3215
								1807	14.030	0.3234
								1837	11.030	0.3276
								1922	7.930	0.3325
								1953	6.250	0.3350
								2031	5.150	0.3374
								2121	4.020	0.3400
								2225	3.060	0.3426
								2333	2.420	0.3447
								2400	2.020	0.3454
							11- 1	110	2.420	0.3472
								143	2.510	0.3481

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.



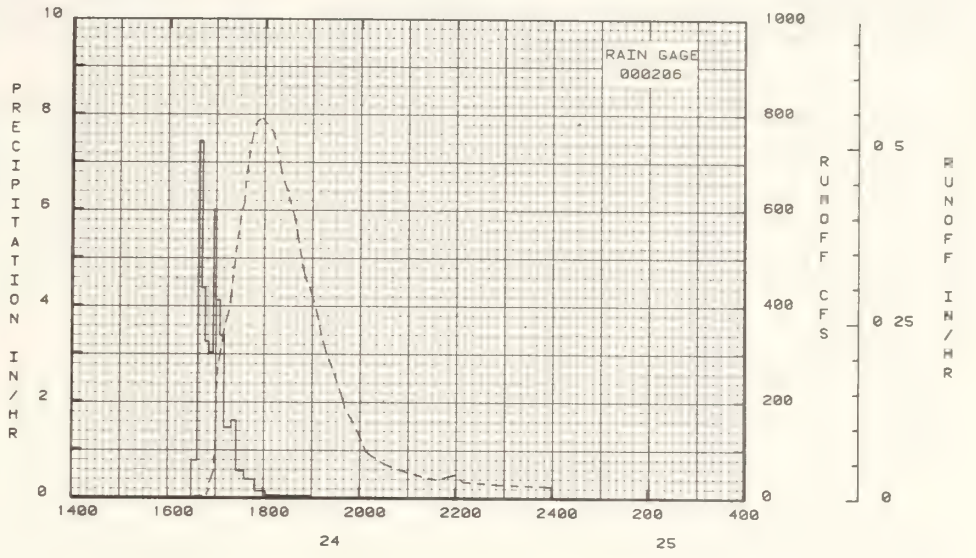
EVENT OF OCTOBER 30 - NOVEMBER 1, 1972

CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBORO

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MAY 24, 1973						
				RG 000206						
5-24	0.0	0.017	5-24	1630	0.0	0.0	5-24	1534	1.220	0.0
				1637	0.7714	0.09		1643	2.170	0.0002
				1642	7.4400	0.71		1649	6.940	0.0005
				1646	4.3500	1.00		1652	15.470	0.0009
				1651	3.2400	1.27		1653	33.860	0.0011
WATERSHED CONDITIONS: 100% pasture.				1656	3.0000	1.52		1658	56.900	0.0037
				1659	6.0014	1.82		1700	134.150	0.0059
				1705	4.1000	2.23		1701	254.710	0.0081
				1710	3.3600	2.51		1706	309.938	0.0241
				1720	1.4400	2.75		1710	350.479	0.0391
				1726	1.6000	2.91		1716	390.178	0.0643
				1736	0.5400	3.00		1719	432.070	0.0783
				1749	0.3692	3.08		1722	480.448	0.0938
				1803	0.1286	3.11		1730	567.050	0.1423
				1819	0.0375	3.12		1734	614.860	0.1696
				1900	0.0293	3.14		1737	678.178	0.1916
								1743	746.918	0.2401
								1749	784.198	0.2922
								1753	788.510	0.3279
								1756	791.120	0.3548
								1810	760.628	0.4781
								1816	715.750	0.5283
								1821	673.229	0.5677
								1828	638.840	0.6198
								1837	585.250	0.6823
								1843	530.128	0.7203
								1848	475.120	0.7488
								1853	448.540	0.7750
								1900	421.168	0.8096
								1906	384.908	0.8370
								1911	340.060	0.8576
								1918	300.280	0.8830
								1925	269.358	0.9056
								1931	240.530	0.9230
								1937	212.330	0.9384
								1941	186.240	0.9475
								1952	154.620	0.9687
								1958	134.150	0.9786
								2008	95.270	0.9916
								2019	81.620	1.0026
								2031	69.240	1.0129
								2040	62.860	1.0197
								2051	56.900	1.0271
								2100	51.270	1.0327
								2118	43.000	1.0423
								2136	36.480	1.0504
								2200	47.550	1.0618
								2210	31.800	1.0663
								2252	26.770	1.0803
								2400	22.560	1.0993

Conversion Factor: CFS to IN/HF, multiply by 0.00068086.



EVENT OF MAY 24, 1973

CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

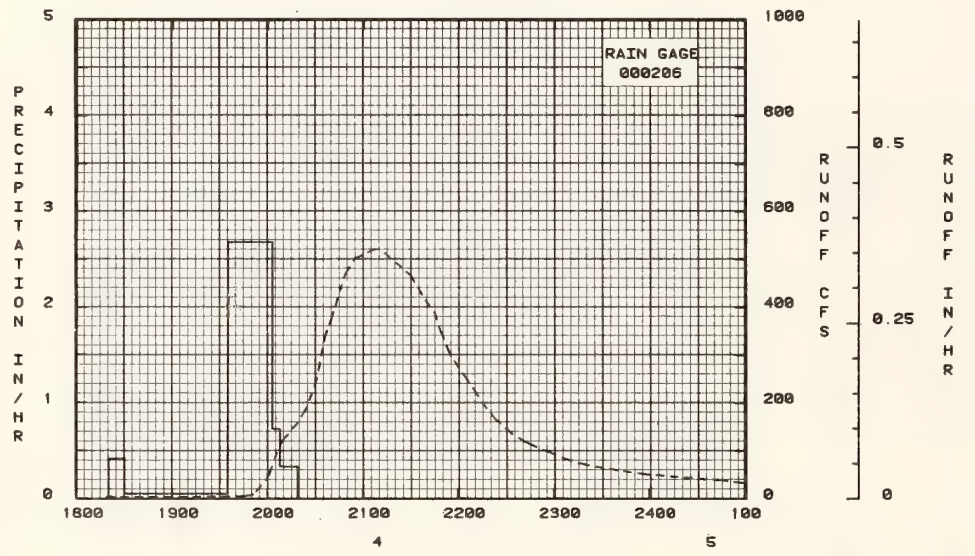
1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 4 - 5, 1973							
RG 000206			RG 000206							
6- 4	0.0	0.048	6- 4	1820	0.0	0.0	6- 4	1819	3.470	0.0
				1830	0.4200	0.07		1900	3.690	0.0017
				1935	0.0462	0.12		1943	4.760	0.0037
				2003	2.6786	1.37		1951	8.680	0.0043
				2008	0.7200	1.43		1953	15.470	0.0046
WATERSHED CONDITIONS:										
100% pasture.				2019	0.3273	1.49		1956	26.770	0.0053
								2000	43.000	0.0069
								2003	66.650	0.0088
								2006	96.060	0.0115
								2010	122.770	0.0165
								2019	158.920	0.0309
								2025	192.260	0.0429
								2030	237.750	0.0551
								2033	284.580	0.0639
								2036	336.628	0.0745
								2040	375.540	0.0907
								2049	471.688	0.1339
								2055	501.628	0.1671
								2107	521.479	0.2367
								2110	521.479	0.2545
								2130	465.418	0.3665
								2137	424.898	0.4018
								2145	386.600	0.4387
								2149	346.990	0.4553
								2155	298.688	0.4773
								2204	254.710	0.5055
								2210	225.490	0.5219
								2215	199.640	0.5340
								2223	165.500	0.5505
								2234	134.150	0.5692

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.

1973 SELECTED RUNOFF EVENT			CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG							
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 4 - 5, 1973 (CONTINUED)							
							6- 4	2241	120.010	0.5793
								2249	106.780	0.5896
								2301	90.580	0.6031
								2311	78.060	0.6126
								2322	68.590	0.6218
								2355	51.270	0.6442
								2400	49.660	0.6471
							6- 5	49	36.480	0.6710

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.



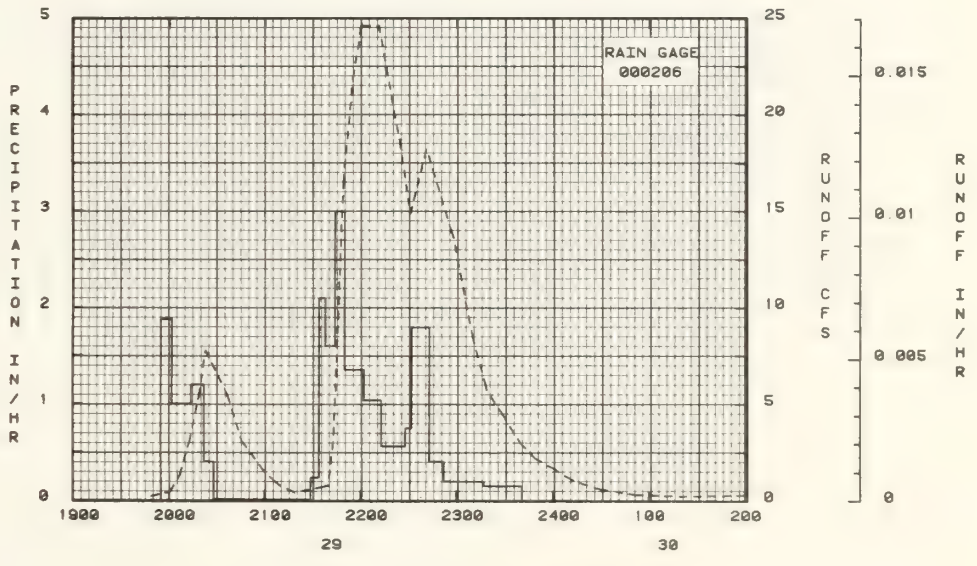
EVENT OF JUNE 4 - 5, 1973

CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

1974 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 29 - 30, 1974							
	BG 000206			BG 000206						
4-29	0.82	0.002	4-29	1955	0.0	0.0	4-29	1949	0.220	0.0
				2002	1.8857	0.22		2001	0.460	0.0001
				2014	1.0000	0.42		2007	1.340	0.0001
				2022	1.2000	0.58		2013	3.060	0.0003
				2028	0.4000	0.62		2019	5.430	0.0005
WATERSHED CONDITIONS:										
100% pasture.				2129	0.0098	0.63		2023	7.780	0.0008
				2134	0.2400	0.65		2037	5.430	0.0019
				2138	2.1000	0.79		2046	3.060	0.0023
				2144	1.6000	0.95		2100	1.460	0.0027
				2150	3.0000	1.25		2110	0.740	0.0028
				2202	1.3500	1.52		2119	0.400	0.0029
				2213	1.0364	1.71		2140	0.750	0.0030
				2228	0.5600	1.85		2143	3.060	0.0031
				2232	0.7500	1.90		2146	9.440	0.0033
				2243	1.8000	2.23		2149	16.540	0.0037
				2252	0.4000	2.29		2155	21.930	0.0050
				2317	0.1920	2.37		2200	24.620	0.0064
				2341	0.1500	2.43		2201	24.620	0.0066
								2211	24.620	0.0094
								2225	18.230	0.0128
								2231	14.870	0.0140
								2241	18.230	0.0158
								2258	13.610	0.0189
								2310	8.490	0.0204
								2319	5.710	0.0211
								2331	4.140	0.0218
								2340	2.960	0.0222
								2349	2.170	0.0224
								2400	1.660	0.0227
							4-30	13	1.010	0.0229
								30	0.560	0.0230
								52	0.300	0.0231
								119	0.220	0.0232

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.



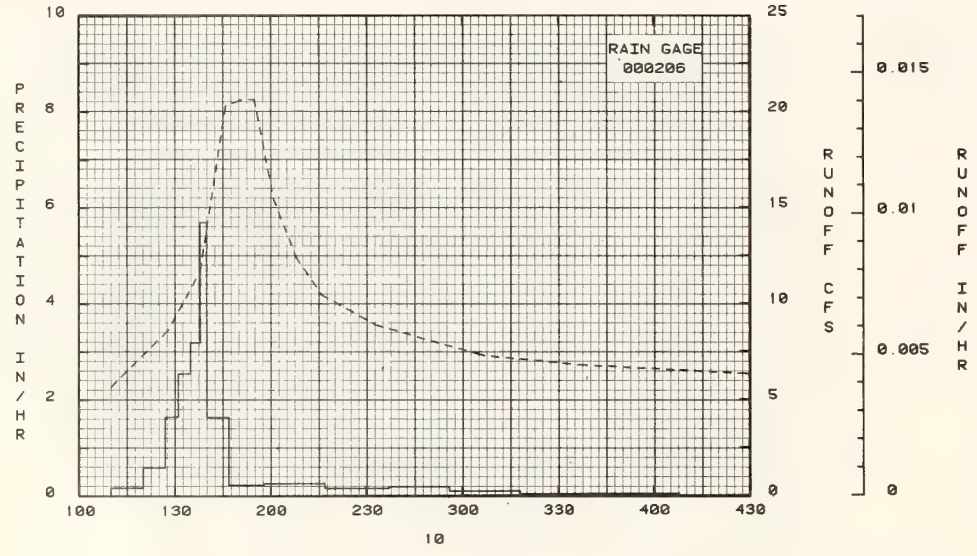
EVENT OF APRIL 29 - 30, 1974

CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

1975 SELECTED RUNOFF EVENT — CHICKASHA, OKIAHOMA WATERSHED 5144 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 10, 1975						
RG 000206			RG 000206						
6-10	0.0	0.145	6-10	110	0.0	0.0	6-10	110	5.710	0.0
				120	0.1800	0.03		128	8.680	0.0015
				127	0.6000	0.10		138	11.740	0.0026
				131	1.6500	0.21		146	20.340	0.0041
				135	2.5500	0.38		151	20.650	0.0052
WATERSHED CONDITIONS:										
100% pasture.				138	3.2000	0.54		155	20.650	0.0062
				140	5.7000	0.73		201	15.470	0.0074
				147	1.6286	0.92		208	12.420	0.0085
				158	0.2182	0.96		216	10.450	0.0096
				217	0.2526	1.04		233	8.860	0.0114
				237	0.1500	1.09		307	7.270	0.0145
				256	0.1895	1.15		337	6.780	0.0169
				318	0.0818	1.18				
				344	0.0231	1.19				
				408	0.0250	1.20				

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.



EVENT OF JUNE 10, 1975

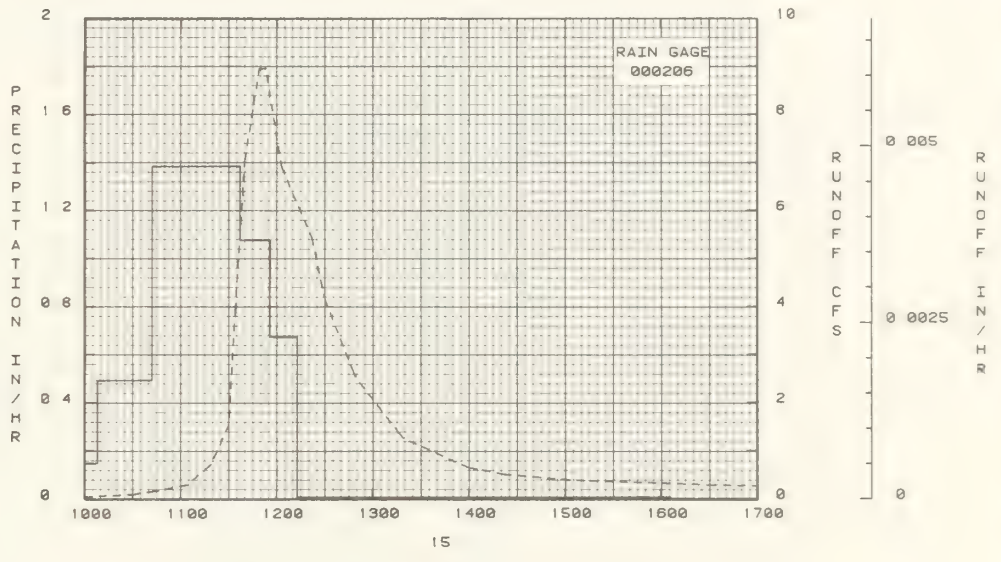
CHICKASHA, OKIAHOMA WATERSHED 5144 NEAR MIDDLEBURG

69.024-26

1976 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JULY 15, 1976							
RG 000206			RG 000206							
7-15	0.0	0.000	7-15	1000	0.0	0.0	7-15	1000	0.050	0.0
				1008	0.1500	0.02		1030	0.100	0.0000
				1042	0.4941	0.30		1046	0.180	0.0001
				1137	1.3855	1.57		1104	0.300	0.0001
				1156	1.0737	1.91		1119	0.720	0.0002
WATERSHED CONDITIONS:										
100% pasture.				1213	0.6706	2.10		1130	1.550	0.0003
				1606	0.0052	2.12		1134	3.920	0.0005
								1140	7.060	0.0008
								1149	8.960	0.0016
								1153	8.960	0.0021
								1203	6.900	0.0030
								1222	5.420	0.0043
								1230	4.150	0.0047
								1249	2.530	0.0054
								1319	1.250	0.0061
								1400	0.640	0.0065
								1422	0.500	0.0067
								1503	0.380	0.0069
								1630	0.280	0.0072

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.



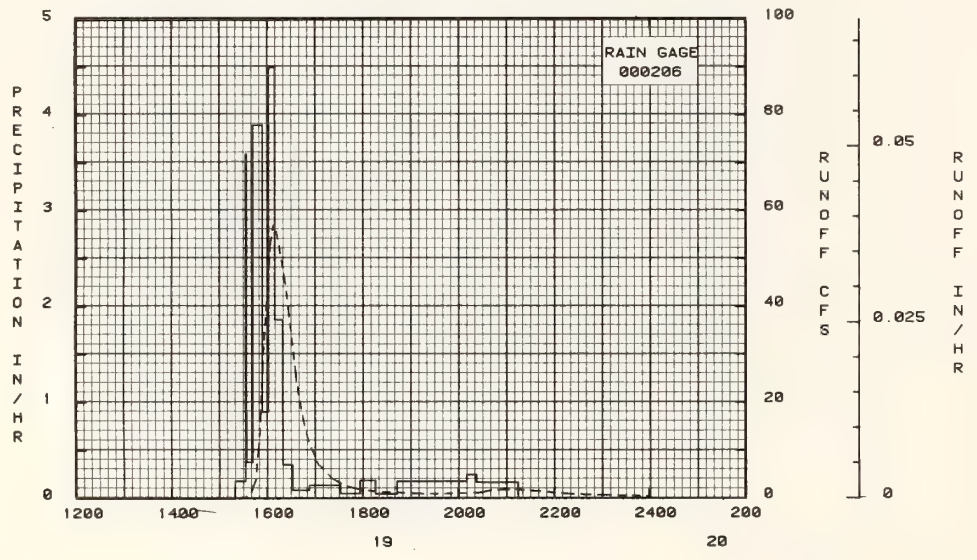
EVENT OF JULY 15, 1976

CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

1977 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 19, 1977							
RG 000206			RG 000206							
5-19	0.0	0.000	5-19	1520	0.0	0.0	5-19	1300	0.050	0.0
				1533	0.1846	0.04		1530	0.070	0.0001
				1534	3.6000	0.10		1534	0.420	0.0001
				1542	0.3750	0.15		1540	1.380	0.0002
				1554	3.9000	0.93		1546	4.200	0.0004
WATERSHED CONDITIONS:										
100% pasture.				1602	0.9000	1.05		1549	10.100	0.0006
				1610	4.5000	1.65		1552	16.930	0.0011
				1620	1.8600	1.96		1555	28.680	0.0018
				1632	0.3500	2.03		1600	41.150	0.0038
				1653	0.0857	2.06		1604	53.020	0.0060
				1732	0.1385	2.15		1608	57.000	0.0085
				1757	0.0480	2.17		1610	57.000	0.0097
				1816	0.1895	2.23		1622	46.080	0.0168
				1843	0.0444	2.25		1628	37.890	0.0196
				2011	0.1773	2.51		1637	24.570	0.0228
				2023	0.2500	2.56		1645	16.640	0.0247
				2115	0.1615	2.70		1652	11.830	0.0258
								1704	7.130	0.0271
								1722	4.090	0.0283
								1733	3.050	0.0287
								1743	2.350	0.0290
								1758	1.760	0.0294
								1816	1.320	0.0297
								1916	0.910	0.0304
								2025	1.150	0.0312
								2041	1.630	0.0315
								2104	1.900	0.0320
								2134	1.500	0.0325

Conversion Factor: CFS to IN/HR, multiply by 0.00068086.



EVENT OF MAY 19, 1977

CHICKASHA, OKLAHOMA WATERSHED 5144 NEAR MIDDLEBURG

LOCATION: Grady County, Okla.; small watershed near Highway 62 in the vicinity of Middleburg; tributary of East Bitter Creek; Washita River; Red River Basin. GAGING STATION--SE1/4 sec. 5, T. 7 N., R. 5 W., lat. 35 deg. 06 min. 25 sec., Long. 97 deg. 44 min. 31 sec.

AREA: 252.80 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1968	P	2.78	1.42	2.28	2.16	4.97	2.62	3.67	1.54	3.45	2.35	4.24	1.19	32.67
	Q	0.032	0.0	0.322	0.036	0.224	0.209	0.133	0.007	0.191	0.078	0.125	0.0	1.358
1969	P	0.91	2.88	2.36	1.31	5.78	3.57	3.45	2.49	3.99	1.54	0.43	1.92	30.63
	Q	0.004	0.134	0.249	0.134	2.214	0.845	0.394	0.004	0.101	0.0	0.0	0.002	4.081
1970	P	0.10	0.89	2.15	2.26	3.56	1.14	1.52	2.43	7.88	3.26	1.13	0.41	26.73
	Q	0.011	0.002	0.000	0.036	0.398	0.001	0.0	0.081	1.415	0.283	0.001	0.0	2.227
1971	P	0.70	1.81	0.19	0.91	4.17	4.80	2.95	2.95	5.68	5.99	0.69	3.64	34.48
	Q	0.0	0.079	0.0	0.0	0.235	0.782	0.154	0.069	0.778	1.642	0.0	0.708	4.448
1972	P	0.19	0.60	0.90	4.31	3.43	1.09	1.73	1.47	0.72	8.62	2.74	0.78	26.58
	Q	0.0	0.0	0.006	0.404	0.413	0.0	0.038	0.001	0.0	1.293	0.172	0.0	2.328
1973	P	3.64	0.77	6.67	2.74	7.60	6.60	3.87	1.22	8.01	3.04	3.59	0.11	47.86
	Q	0.164	0.0	1.764	0.532	2.694	2.559	0.257	0.030	0.393	0.157	1.052	0.146	9.748
1974	P	0.13	1.70	1.70	4.99	3.35	1.00	0.44	5.09	4.09	5.70	1.80	1.58	31.57
	Q	0.068	0.128	0.187	1.199	0.504	0.045	0.0	0.632	0.055	0.725	0.085	0.046	3.694
1975	P	2.03	2.09	2.04	2.99	8.29	5.27	4.45	1.85	1.89	1.08	1.40	1.12	34.50
	Q	0.056	0.188	0.229	0.393	1.743	1.135	0.211	0.175	0.004	0.008	0.010	0.008	4.160
1976	P	0.0	0.32	2.88	3.71	1.69	2.76	4.45	1.46	3.53	2.46	0.17	0.69	24.12
	Q	0.021	0.009	0.051	0.092	0.007	0.110	0.536	0.014	0.061	0.000	0.0	0.0	0.901
1977	P	0.60	1.91	1.52	2.94	10.14	2.95	0.89	1.20	1.10	1.69	1.22	0.20	26.36
	Q	0.0	0.0	0.0	0.029	2.144	0.116	0.024	0.023	0.035	0.121	0.029	0.018	2.539
STA AV	P	1.02	1.32	2.25	3.21	5.23	3.18	2.69	2.12	4.19	3.51	1.62	1.17	31.50
	Q	0.034	0.049	0.255	0.425	0.986	0.528	0.159	0.116	0.283	0.392	0.134	0.308	3.670

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1968	9- 4	0.300	9- 4	0.150	3-19	0.190	3-19	0.215	3-19	0.223	3-19	0.237	3-19	0.270	3-19	0.313
1969	5- 6	0.440	5- 6	0.309	6-14	0.530	5- 6	0.993	5- 6	1.582	5- 6	1.624	5- 5	1.669	5- 3	2.058
1970	9-22	0.409	9-22	0.277	9-22	0.418	9-22	0.942	9-22	1.341	9-22	1.402	9-22	1.403	9-17	1.403
1971	10- 2	0.879	10- 2	0.405	10- 2	0.717	10- 2	1.224	10- 2	1.542	10- 2	1.552	10- 2	1.553	10- 2	1.553
1972	10-31	0.286	10-31	0.207	10-31	0.299	10-31	0.604	10-31	0.772	10-30	0.955	10-30	1.189	10-29	1.190
1973	5-24	1.377	5-24	0.898	5-24	1.037	5-24	1.305	5-24	1.627	5-24	1.695	5-24	1.731	5-31	2.439
1974	4-29	0.425	4-29	0.318	4-29	0.486	4-29	0.685	4-29	0.928	4-29	0.970	4-29	1.240	4-29	1.444
1975	6-10	0.466	5-22	0.265	5-22	0.405	5-22	0.794	5-22	1.156	5-22	1.401	5-22	1.431	5-22	1.616
1976	7-15	0.243	7-15	0.179	7-15	0.278	7-15	0.321	7-15	0.356	7-15	0.514	7-15	0.514	7-15	0.514
1977	5-20	0.414	5-20	0.216	5-20	0.337	5-20	0.719	5-20	1.139	5-20	1.643	5-19	1.936	5-19	2.060
MAXIMUMS FOR PERIOD OF RECORD																
	5-24 1973	1.377	5-24 1973	0.898	5-24 1973	1.037	5-24 1973	1.305	5-24 1973	1.627	5-24 1973	1.695	5-19 1977	1.936	5-31 1973	2.439

Watershed Conditions: 100% in pasture or range. There are 3 farm ponds in this watershed.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Pub. 1262, page 69.21-6. Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, USDA Misc. Pub. 1216, page 69.7-21.
Precipitation: Records began Jan. 1967. Thiessen weighted average of 4 rain gages.
Runoff: Records began Jan. 1967. STA AV values based on 11 yr beginning 1967.
Long-Term Precipitation: National Weather Service records at Chickasha, Oklahoma.

1968 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.14	0.0	0.16	0.0	0.74	1.67	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0
3	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	1.13	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	1.40	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.0	1.22	0.0	0.0
6	0.05	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.10	0.0	0.01	0.57	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.94	0.0	0.0	0.0	0.0	0.92	0.0	0.0
10	0.0	0.0	0.14	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.14	0.0
11	0.05	0.0	0.25	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.13	0.0	0.32	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.12
13	0.0	0.09	0.0	0.0	0.47	0.0	0.73	0.43	0.0	0.0	0.0	0.0
14	0.0	0.18	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.26	0.0
15	0.0	0.0	0.0	0.0	0.09	0.13	0.01	0.88	0.05	0.0	1.19	0.0
16	0.0	0.0	0.0	0.0	0.0	0.63	0.0	0.0	0.0	0.18	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0
18	1.67	0.0	0.30	0.63	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.12
19	0.12	0.0	0.89	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.02	0.0	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.19	0.32	0.0	0.21	0.44	0.0	0.0	0.0	0.0	0.03	0.0	0.32
22	0.06	0.17	0.05	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.08	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	1.27	0.04	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.36	0.0
27	0.42	0.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.63
28	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.19	0.0
29	0.08	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.12		0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.11	0.0
31	0.0		0.0		0.66		0.06	0.03		0.0		0.0
TOTAL	2.78	1.42	2.28	2.16	4.57	2.62	3.67	1.54	3.45	2.35	4.24	1.19
STA AV	1.44	0.75	2.19	4.57	4.73	2.62	2.94	1.58	4.59	2.63	2.31	1.19

Gaging: Thiessen weighted average of 4 rain gages.
Station Averages: 2 yr beginning 1967.

1969 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.58	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.45	0.62	0.0	0.02	0.0
3	0.0	0.0	0.08	0.0	1.75	0.0	0.0	0.0	0.06	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.31	0.0	0.0	0.16	0.0	0.0	0.0	0.0
5	0.0	0.0	0.21	0.0	0.35	0.0	0.0	0.0	0.0	0.10	0.0	0.96
6	0.0	0.0	0.0	0.0	2.47	0.0	0.0	0.0	0.0	0.27	0.0	0.04
7	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0
11	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.17	0.0	0.0	0.0
12	0.0	0.0	0.0	0.05	0.44	0.0	0.0	0.0	0.0	0.40	0.0	0.0
13	0.0	0.56	0.0	0.13	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	1.25	0.10	0.0	0.02	2.05	0.0	0.0	0.05	0.0	0.0	0.0
15	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.41	0.30	0.0	0.0	0.0	1.19	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.65	0.0	0.0	0.0	0.0	2.54	0.0	0.0	0.0	0.0	0.12
21	0.0	0.32	0.0	0.0	0.0	0.0	0.14	0.0	0.88	0.04	0.0	0.0
22	0.0	0.0	0.38	0.0	0.0	0.0	0.11	0.52	1.02	0.05	0.0	0.0
23	0.0	0.06	1.10	0.20	0.0	0.0	0.0	0.04	0.0	0.21	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.52	0.93	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0	0.0	0.41	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.41
29	0.82		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.34
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.05
31	0.09		0.0		0.0		0.14	0.0		0.0		0.0
TOTAL	0.91	2.88	2.36	1.31	5.78	3.57	3.45	2.49	3.99	1.54	0.43	1.92
STA AV	1.26	1.46	2.24	3.48	5.08	3.10	3.11	1.88	4.39	2.27	1.68	1.43

Gaging: Thiessen weighted average of 4 rain gages.
Station Averages: 3 yr beginning 1967.

1970 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBERG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.17	0.0	0.11	0.0	0.0	0.08	0.04	0.19	0.0
2	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.04	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.28	0.0	0.37	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.12	0.0	0.0
6	0.0	0.0	0.58	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0
7	0.0	0.01	0.20	0.0	0.0	0.0	0.0	0.0	0.08	0.44	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.21	0.05	0.0	0.07	0.0	0.0	0.0
12	0.0	0.0	0.02	0.0	0.0	0.0	0.67	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.73	0.0	0.94	0.0
14	0.0	0.0	0.0	0.0	1.20	0.0	0.0	0.0	0.61	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.31
16	0.0	0.0	0.54	0.28	0.0	0.0	0.0	0.0	0.34	0.03	0.0	0.0
17	0.09	0.0	0.0	0.74	0.0	0.0	0.0	0.0	0.43	0.18	0.0	0.0
18	0.01	0.0	0.02	0.08	0.0	0.0	0.0	0.98	0.0	0.0	0.0	0.0
19	0.0	0.0	0.13	0.0	0.0	0.0	0.0	1.29	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.07	0.36	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.10
22	0.0	0.32	0.0	0.0	0.0	0.0	0.0	0.13	5.29	0.64	0.0	0.0
23	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.04	0.0	0.0
24	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0
27	0.0	0.11	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.20	0.58	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.29	1.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.03	1.07	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.04		0.0	0.0		0.0		0.0
TOTAL	0.10	0.89	2.15	2.26	3.56	1.14	1.52	2.43	7.88	3.26	1.13	0.41
STA AV	0.97	1.32	2.22	3.18	4.70	2.44	2.71	2.02	5.26	2.52	1.55	1.18

Gaging: Thiesser weighted average of 4 rain gages.
Station Averages: 4 yr beginning 1967.

1971 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBERG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	1.07	0.0	0.0	0.0	0.0	0.04
2	0.23	0.0	0.07	0.0	0.0	1.20	0.0	0.0	0.0	3.62	0.0	0.50
3	0.47	0.0	0.0	0.0	0.02	0.74	0.0	0.0	0.0	0.20	0.0	0.14
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.12	0.0	0.0	0.0
7	0.0	0.04	0.0	0.0	0.0	0.92	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.74	0.0	0.06	0.04	0.42
9	0.0	0.0	0.0	0.0	0.75	0.22	0.0	0.0	0.0	0.0	0.0	0.17
10	0.0	0.0	0.0	0.0	0.01	0.21	0.0	0.06	0.0	0.0	0.0	0.23
11	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.67	0.0	0.05	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	1.50
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	1.20	0.02	0.15	0.0
18	0.0	0.18	0.0	0.0	0.13	0.0	0.0	0.0	2.07	0.64	0.0	0.0
19	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.09	0.56	0.0	0.0
20	0.0	0.0	0.0	0.12	0.0	0.16	0.0	0.0	0.0	0.08	0.0	0.0
21	0.0	1.49	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.04	0.0	0.0	0.13	0.0	0.0	0.0	0.37	0.0
23	0.0	0.0	0.0	0.0	1.12	0.0	1.01	0.0	0.25	0.0	0.07	0.0
24	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	1.66	0.0	0.0	0.0
25	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.0
26	0.0	0.0	0.0	0.05	0.84	0.0	0.0	0.0	0.0	0.78	0.0	0.0
27	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.03	0.0	0.0	0.0	0.01	0.74	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.20	0.0	0.07	0.0	0.05	0.0	0.0	0.0	0.46
30	0.0		0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.03	0.06	0.0
31	0.0		0.0		0.82		0.0	0.0		0.0		0.0
TOTAL	0.70	1.81	0.19	0.91	4.17	4.80	2.95	2.95	5.68	5.99	0.69	3.64
STA AV	0.92	1.41	1.81	2.72	4.59	3.03	2.76	2.21	5.35	3.21	1.37	1.67

Gaging: Thiesser weighted average of 4 rain gages.
Station Averages: 5 yr beginning 1967.

1972	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 5145 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.04	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0
2	0.0	0.05	0.0	0.0	0.0	0.0	1.14	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.05	0.0	0.13	0.0	0.25	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
6	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.11	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.27	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0
10	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.43	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.19
12	0.0	0.0	0.0	0.0	1.80	0.07	0.0	0.0	0.0	0.0	1.08	0.05
13	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.32	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.05	0.0	0.0
15	0.0	0.0	0.0	1.05	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.03
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.12	0.84	0.0
19	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.64	1.29	0.0	0.0	0.0	0.0	0.0	0.18	0.04	0.21
21	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.09	0.15	3.36	0.16	0.0
22	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.09	0.0	0.14	0.0	0.0
23	0.0	0.0	0.26	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.52	0.0	0.0	0.28	0.0
25	0.0	0.0	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.02	0.0
26	0.07	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0
27	0.08	0.0	0.0	0.98	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.07	0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.26
30	0.0		0.0	0.27	0.0	0.0	0.0	0.0	0.0	2.42	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		2.23		0.0
TOTAL	0.19	0.60	0.90	4.31	3.43	1.09	1.73	1.47	0.72	8.62	2.74	0.78
STA AV	0.80	1.28	1.66	2.99	4.40	2.64	2.59	2.08	4.58	4.11	1.60	1.52

Gaging: Thiessen weighted average of 4 rain gages.
Station Averages: 6 yr beginning 1967.

1973	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 5145 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.11	0.0	0.0	0.56	0.0	0.0	0.55	0.0	0.0	0.0
2	0.40	0.0	0.0	0.37	0.0	1.94	0.0	0.0	0.0	0.0	0.0	0.0
3	0.79	0.0	0.23	0.05	0.0	0.0	0.0	0.0	0.74	0.15	0.0	0.11
4	0.0	0.0	0.0	0.0	0.0	1.35	0.0	0.0	0.17	0.40	0.0	0.0
5	0.0	0.0	0.01	0.0	0.03	0.0	0.0	0.0	0.71	0.22	0.0	0.0
6	0.33	0.0	1.18	0.0	0.77	0.0	0.0	0.0	1.50	0.13	0.08	0.0
7	0.23	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.01	0.0
8	0.0	0.0	0.14	0.37	0.0	0.0	0.0	0.0	0.24	0.0	0.04	0.0
9	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0
10	0.0	0.0	1.09	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.94	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.95	0.49	0.0	0.0
13	0.0	0.0	0.23	0.15	0.0	0.06	0.20	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.06	0.0	0.23	0.02	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.96	0.0	0.0	0.0	0.87	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.71	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0
18	0.0	0.06	0.0	0.0	0.0	0.58	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.47	0.0	0.71	0.0	0.0	0.0	0.0	1.91	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0	0.09	0.0
21	0.69	0.0	0.0	0.0	0.05	0.0	0.18	0.0	0.0	0.0	0.0	0.0
22	0.0	0.18	0.04	0.30	1.50	0.0	1.28	0.0	0.09	0.0	0.0	0.0
23	0.0	0.0	2.06	0.0	0.17	0.0	0.04	0.0	0.0	0.0	0.02	0.0
24	0.0	0.0	1.09	0.01	2.91	0.0	0.0	0.0	0.0	0.0	1.35	0.0
25	0.60	0.19	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.82	0.51	0.0	0.0
27	0.04	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.63	0.29	0.09	0.0
28	0.0	0.0	0.0	0.0	0.0	0.27	0.06	0.0	0.0	0.0	0.0	0.0
29	0.0		0.13	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.20	0.0	0.50	0.0	0.88	0.0	0.0	0.0	0.0	0.0
31	0.26		0.0		1.67		0.0	0.0		0.0		0.0
TOTAL	3.64	0.77	6.67	2.74	7.60	6.60	3.87	1.22	8.01	3.04	3.59	0.11
STA AV	1.20	1.21	2.38	2.95	4.86	3.30	2.77	1.96	5.07	3.96	1.89	1.32

Gaging: Thiesser weighted average of 4 rain gages.
Station Averages: 7 yr beginning 1967.

1974 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBERG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.0	0.0	0.0	1.43	0.0	0.0	0.18	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.10	0.0
3	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.03	0.0	0.0	0.05	0.0
4	0.0	0.0	0.0	0.0	0.0	0.09	0.19	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.65	0.0	0.03	0.0	0.12	0.0	0.01
7	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.05	0.00	0.0
8	0.0	0.0	0.11	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
9	0.10	0.0	0.04	0.0	0.0	0.0	0.0	1.87	0.0	0.0	0.47	0.0
10	0.0	0.0	1.00	0.04	0.0	0.0	0.0	2.30	0.0	0.0	0.25	0.00
11	0.0	0.0	0.0	1.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0
15	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0
20	0.0	0.72	0.32	0.01	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0
21	0.0	0.63	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	1.27	0.94	0.0	0.0
25	0.0	0.0	0.0	0.0	1.05	0.0	0.0	0.0	0.21	0.48	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.10	0.0	0.0
27	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.47	0.0	0.08	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	0.0	0.0
29	0.0		0.0	3.31	0.0	0.0	0.25	0.0	0.0	0.0	0.06	0.0
30	0.0		0.0	0.07	0.0	0.0	0.0	0.0	0.0	2.51	0.0	0.13
31	0.0		0.0		0.66		0.0	0.0		0.27		0.24
TOTAL	0.13	1.70	1.70	4.99	3.35	1.00	0.44	5.09	4.09	5.70	1.80	1.58
STA AV	1.07	1.27	2.29	3.21	4.67	2.97	2.48	2.35	4.94	4.18	1.88	1.35

Gaging: Thiesser weighted average of 4 rain gages.
Station Averages: 8 yr beginning 1967.

1975 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBERG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.10	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0
2	0.87	0.32	0.0	0.0	0.56	0.0	0.0	0.89	0.0	0.0	0.17	0.0
3	0.0	0.33	0.0	0.0	0.02	0.0	0.41	0.0	0.0	0.0	0.0	0.0
4	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.23	0.08
6	0.0	0.0	0.0	0.0	0.0	0.73	0.0	0.0	0.0	0.0	0.06	0.0
7	0.0	0.0	0.0	0.81	0.0	0.08	0.25	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.49	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.41	0.0	0.0	0.27	0.01	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.01	1.20	0.58	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.16	0.0	0.07	0.0	0.0	0.0	0.52	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0
13	0.0	0.0	0.0	0.46	1.06	0.0	0.0	0.0	0.44	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.31	0.32	0.15	0.0	0.0
15	0.0	0.08	0.15	0.0	0.0	0.0	0.0	0.06	0.03	0.75	0.0	0.0
16	0.0	0.46	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.09	0.03	0.0	0.47	0.0	0.59	0.02	0.0	0.0	0.0
18	0.0	0.0	0.27	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.40	0.0	0.15	0.0	0.0	0.0	0.90	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.11	0.0	0.0	0.0
22	0.0	0.56	0.0	0.04	3.37	0.88	0.0	0.0	0.0	0.0	0.0	0.03
23	0.0	0.0	0.0	0.0	0.74	0.79	0.0	0.0	0.0	0.0	0.0	0.09
24	0.04	0.0	0.0	0.0	0.0	0.0	1.61	0.0	0.0	0.0	0.0	0.60
25	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.19
26	0.0	0.0	0.20	0.0	0.0	0.0	0.51	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.61	0.34	0.11	0.0	0.02	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.15	0.0	0.92	0.0	0.80	0.0	0.0	0.0	0.0	0.07
29	0.0		0.0	1.28	0.63	0.0	0.0	0.0	0.0	0.0	0.04	0.06
30	0.91		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.11		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	2.03	2.09	2.04	2.99	8.29	5.27	4.45	1.85	1.89	1.08	1.40	1.12
STA AV	1.17	1.36	2.26	3.18	5.07	3.26	2.70	2.30	4.60	3.83	1.82	1.33

Gaging: Thiesser weighted average of 4 rain gages.
Station Averages: 9 yr beginning 1967.

1976 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.10	0.0	0.0
5	0.0	0.32	0.0	0.0	0.29	0.0	0.0	0.88	0.0	0.09	0.0	0.52
6	0.0	0.0	0.0	0.0	0.02	0.04	0.0	0.17	0.0	0.0	0.0	0.17
7	0.0	0.0	1.16	0.34	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0
8	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.97	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.06	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0
12	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0	1.28	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.58	0.0	0.0	0.91	0.0	0.02	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
15	0.0	0.0	0.0	0.84	0.0	0.0	3.39	0.0	0.0	0.03	0.0	0.0
16	0.0	0.0	0.0	0.22	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.03	0.0	0.32	0.0	0.0	0.0	0.03	0.0	0.0
19	0.0	0.0	0.0	0.98	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.0
20	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.04	0.72	0.0	0.20	0.0	0.17	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	1.10	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.64	0.0	0.0	0.0	0.0	0.08	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.05	0.0	0.0
28	0.0	0.0	0.13	0.95	0.0	0.0	0.86	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0	1.66	0.0	0.0
30	0.0		0.0	0.13	0.05	0.0	0.0	0.0	0.0	0.04	0.0	0.0
31	0.0		0.0		0.11		0.0	0.20		0.0		0.0
TOTAL	0.0	0.32	2.88	3.71	1.69	2.76	4.45	1.46	3.53	2.46	0.17	0.69
STA AV	1.06	1.26	2.33	3.24	4.73	3.21	2.87	2.21	4.50	3.70	1.66	1.26

Gaging: Thiesser weighted average of 4 rain gages.
Station Averages: 10 yr beginning 1967.

1977 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.01	0.27	0.0	0.44	0.07	0.0	0.0	0.04	0.03
2	0.0	0.01	0.15	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.06	0.0
3	0.0	0.05	0.0	0.0	0.93	0.0	0.0	0.0	0.0	0.0	0.03	0.0
4	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.02	0.60	0.0	0.07
5	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.09	0.02	0.0	0.0
6	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.83	0.0
9	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0
10	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	1.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.08	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.27	0.0	0.0	0.02
13	0.07	0.0	0.0	0.02	0.53	0.0	0.0	0.0	0.65	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.46	0.27	0.0	0.03	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.25	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	3.00	0.0	0.0	0.69	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	1.87	2.56	0.0	0.0	0.0	0.01	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.03	0.0	0.09	0.0	0.0	0.0	0.0	0.0
22	0.03	0.07	0.0	0.03	0.0	0.24	0.0	0.0	0.0	0.57	0.0	0.0
23	0.07	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.06	0.42	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.13	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.12	0.38	0.0	0.71	0.17	0.02	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.66	0.0	0.46	0.0	0.21	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.02	0.0	0.0	1.44	0.01	0.0	0.0	0.0	0.11	0.0
29	0.0		0.0	0.27	0.0	0.01	0.06	0.31	0.0	0.0	0.0	0.08
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0
31	0.0		0.0		0.21		0.03	0.0		0.0		0.0
TOTAL	0.60	1.91	1.52	2.94	10.14	2.95	0.89	1.20	1.10	1.69	1.22	0.20
STA AV	1.02	1.32	2.25	3.21	5.23	3.18	2.69	2.12	4.19	3.51	1.62	1.17

Gaging: Thiesser weighted average of 4 rain gages.
Station Averages: 11 yr beginning 1967.

1968	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5145 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.72	0.73	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.10	0.00	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.00	0.0	0.05	0.0	0.0	0.12	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	1.89	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.23	0.0	0.0
6	0.0	0.0	0.0	0.0	0.14	0.05	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.04	0.76	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.32	0.00	0.0	0.0	0.0	0.60	0.0	0.0
10	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.09	0.0	0.26	0.0	0.08	0.01	0.0	0.0	0.0	0.0
14	0.0	0.0	0.00	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.06	0.0	0.0	0.45	0.0
16	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.01	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.24	0.0	0.0	0.00	0.0	0.0	0.59	0.0	0.0	0.0	0.0	0.0
19	0.10	0.0	2.51	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.35	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.38	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.08	0.25	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	1.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.50	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 1	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.14		0.0	0.0		0.0		0.0
MEAN	0.0110	0.0	0.1102	0.0128	0.0769	0.0742	0.0455	0.0025	0.0675	0.0268	0.0444	0.0
INCHES	0.032	0.0	0.322	0.036	0.224	0.209	0.133	0.007	0.191	0.078	0.125	0.0
STA AV	0.016	0.0	0.161	0.931	0.246	0.110	0.066	0.124	0.137	0.039	0.063	1.228

Station Averages: 2 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.09415.

1969	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5145 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.01	0.05	0.03	0.56	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.03	0.05	0.03	0.02	0.0	0.0	0.01	0.0	0.0	0.0
3	0.0	0.0	0.08	0.05	2.31	0.02	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.05	0.05	0.47	0.03	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.05	0.03	0.77	0.02	0.0	0.0	0.0	0.0	0.0	0.00
6	0.0	0.0	0.05	0.04	15.44	0.02	0.0	0.0	0.0	0.0	0.0	0.01
7	0.0	0.0	0.04	0.05	2.27	0.02	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.03	0.05	0.22	0.02	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.02	0.05	0.13	0.02	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.02	0.04	0.09	0.02	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.03	0.04	0.08	0.01	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.03	0.05	0.31	0.01	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.03	0.06	0.12	0.05	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.35	0.03	0.05	0.09	7.81	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.12	0.04	0.04	0.09	0.08	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.06	0.04	0.07	0.11	0.05	0.0	0.0	0.16	0.0	0.0	0.0
17	0.0	0.05	0.03	0.07	0.13	0.04	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.03	0.03	0.04	0.10	0.04	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.03	0.03	0.03	0.08	0.03	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.23	0.03	0.03	0.07	0.02	2.79	0.0	0.0	0.0	0.0	0.0
21	0.0	0.23	0.03	0.03	0.06	0.02	1.39	0.0	0.08	0.0	0.0	0.0
22	0.0	0.12	0.04	0.03	0.06	0.01	0.0	0.01	0.69	0.0	0.0	0.0
23	0.0	0.07	0.61	0.04	0.06	0.01	0.0	0.00	0.13	0.0	0.0	0.0
24	0.0	0.05	0.20	0.05	0.06	0.01	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.03	0.20	0.05	0.06	0.01	0.00	0.03	0.0	0.0	0.0	0.0
26	0.0	0.03	0.20	0.14	0.05	0.01	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.02	0.20	0.05	0.05	0.00	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.01	0.18	0.03	0.05	0.00	0.0	0.0	0.0	0.0	0.0	0.0
29	0.04		0.18	0.03	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.00		0.06	0.03	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.05		0.03		0.0	0.0		0.0		0.0
MEAN	0.0013	0.0510	0.0854	0.0475	0.7585	0.2591	0.1350	0.0014	0.0357	0.0	0.0	0.0006
INCHES	0.004	0.134	0.249	0.134	2.214	0.845	0.394	0.004	0.101	0.0	0.0	0.002
STA AV	0.012	0.045	0.190	0.665	0.902	0.355	0.176	0.084	0.125	0.026	0.042	0.820

Station Averages: 3 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.09415.

1970 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.01	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.64	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
14	0.01	0.0	0.0	0.0	0.54	0.0	0.0	0.0	0.13	0.0	0.0	0.0
15	0.01	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.01	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.98	0.19	0.0	0.0
23	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.93	0.02	0.0	0.0
24	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	3.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0038	0.0006	0.0	0.0126	0.1364	0.0003	0.0	0.0276	0.5010	0.0969	0.0003	0.0
INCHES	0.011	0.002	0.000	0.036	0.398	0.001	0.0	0.081	1.415	0.283	0.001	0.0
STA AV	0.012	0.034	0.143	0.508	0.776	0.267	0.132	0.083	0.448	0.090	0.032	0.615

Station Averages: 4 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.09415.

1971 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.04	1.06	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	2.61	0.11	0.0	0.0	13.39	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	3.81	0.0	0.0	0.0	3.11	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.77	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.10	0.0	0.0	0.0	0.11
9	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.01
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.87	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0	6.41
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.60	0.16	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0
21	0.0	0.84	0.0	0.0	0.0	0.0 T	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.00	0.0	0.0	1.20	0.0	0.46	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.36	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.29	0.0	0.0
27	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.04	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04
31	0.0		0.0		1.15		0.0	0.0		0.0		0.0
MEAN	0.0	0.0300	0.0	0.0	0.0806	0.2767	0.0528	0.0237	0.2755	0.5627	0.0	0.2425
INCHES	0.0	0.079	0.0	0.0	0.235	0.782	0.154	0.069	0.778	1.642	0.0	0.708
STA AV	0.009	0.043	0.114	0.406	0.668	0.370	0.136	0.080	0.514	0.401	0.025	0.633

Station Averages: 5 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.09415.

1972 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	4.08	0.0	0.0	0.0	0.0	0.0	1.27	0.0
13	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.05	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
20	0.0	0.0	0.05	0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.01	0.00	0.0	0.0	0.0	0.0	0.0	1.08	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	2.66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.05	0.0	0.0	0.0	0.0	0.0	4.23	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		8.30		0.0
MEAN	0.0	0.0	0.0019	0.1430	0.1414	0.0	0.0132	0.0004	0.0	0.4431	0.0611	0.0
INCHES	0.0	0.0	0.006	0.404	0.413	0.0	0.038	0.001	0.0	1.293	0.172	0.0
STA AV	0.008	0.036	0.096	0.406	0.625	0.308	0.120	0.067	0.428	0.549	0.050	0.528

Station Averages: 6 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.09415.

1973 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.12	0.07	1.50	0.05	0.02	0.0	0.01	0.02	0.07
2	0.0	0.0	0.0	0.12	0.06	9.42	0.04	0.02	0.0	0.01	0.02	0.07
3	0.29	0.0	0.0	0.21	0.06	0.33	0.04	0.02	0.03	0.01	0.01	0.08
4	0.00	0.0	0.00	0.16	0.06	5.88	0.04	0.02	0.13	0.02	0.01	0.06
5	0.0	0.0	0.0	0.12	0.07	2.93	0.04	0.02	0.01	0.01	0.01	0.05
6	0.0	0.0	2.54	0.12	0.85	0.25	0.04	0.01	0.51	0.01	0.01	0.05
7	0.0	0.0	0.06	0.12	0.13	0.21	0.03	0.00	0.03	0.01	0.02	0.05
8	0.0	0.0	0.05	0.14	0.06	0.19	0.03	0.00	0.03	0.01	0.02	0.05
9	0.0	0.0	0.02	0.10	0.06	0.18	0.03	0.01	0.02	0.01	0.02	0.05
10	0.0	0.0	3.55	0.08	0.06	0.16	0.04	0.01	0.01	0.01	0.02	0.05
11	0.0	0.0	0.18	0.08	0.05	0.13	0.03	0.00	0.0	0.56	0.02	0.05
12	0.0	0.0	0.13	0.08	0.05	0.12	0.02	0.00	0.87	0.28	0.02	0.05
13	0.0	0.0	0.21	0.10	0.04	0.10	0.02	0.0	0.16	0.05	0.02	0.05
14	0.0	0.0	0.12	0.09	0.04	0.12	0.02	0.0	0.02	0.02	0.02	0.05
15	0.01	0.0	0.09	1.87	0.04	0.10	0.02	0.15	0.01	0.02	0.02	0.04
16	0.0	0.0	0.09	0.30	0.04	0.68	0.02	0.02	0.01	0.02	0.01	0.04
17	0.0	0.0	0.09	0.12	0.04	0.18	0.01	0.01	0.01	0.02	0.01	0.04
18	0.0	0.0	0.10	0.09	0.04	0.60	0.01	0.0	0.01	0.02	0.01	0.05
19	0.0	0.0	0.09	0.55	0.03	2.51	0.01	0.0	0.01	0.02	4.51	0.05
20	0.0	0.0	0.08	0.10	0.03	0.43	0.16	0.0	0.01	0.02	1.83	0.05
21	0.55	0.0	0.08	0.08	0.02	0.32	0.02	0.0	0.0	0.02	0.19	0.06
22	0.01	0.0	0.09	0.13	1.22	0.23	1.04	0.0	0.01	0.02	0.18	0.06
23	0.0	0.0	3.40	0.12	1.58	0.16	0.64	0.0	0.01	0.02	0.16	0.06
24	0.0	0.0	5.36	0.10	14.68	0.12	0.02	0.0	0.00	0.02	3.30	0.05
25	0.05	0.0	1.39	0.10	3.49	0.06	0.01	0.0	0.0	0.02	0.32	0.04
26	0.82	0.0	0.23	0.10	0.29	0.05	0.01	0.0	1.16	0.05	0.10	0.04
27	0.02	0.0	0.18	0.09	0.17	0.05	0.01	0.0	1.05	0.32	0.08	0.04
28	0.0	0.0	0.16	0.09	0.07	0.06	0.01	0.0	0.04	0.02	0.07	0.04
29	0.0		0.14	0.09	0.05	0.06	0.01	0.0	0.01	0.02	0.07	0.04
30	0.0		0.16	0.09	0.04	0.05	0.20	0.0	0.01	0.02	0.07	0.04
31	0.0		0.16		5.13		0.07	0.0		0.01		0.03
MEAN	0.0563	0.0	0.6045	0.1882	0.9229	0.5058	0.0882	0.0104	0.1390	0.0538	0.3724	0.0500
INCHES	0.164	0.0	1.764	0.532	2.694	2.559	0.257	0.030	0.393	0.157	1.052	0.146
STA AV	0.030	0.031	0.334	0.424	0.921	0.629	0.140	0.062	0.423	0.493	0.193	0.473

Station Averages: 7 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.09415.

1974	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5145 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.02	0.02	0.03	0.02	3.56	0.01	0.0	0.0	0.0	0.0	0.00	0.0
2	0.02	0.02	0.03	0.02	0.51	0.01	0.0	0.0	0.19	0.0	0.00	0.0
3	0.01	0.02	0.03	0.02	0.09	0.01	0.0	0.0	0.0	0.0	0.88	0.0
4	0.03	0.02	0.03	0.02	0.07	0.01	0.0	0.0	0.0	0.0	0.01	0.0
5	0.03	0.02	0.03	0.02	0.07	0.01	0.0	0.0	0.0	0.0	0.0	0.0
6	0.02	0.02	0.03	0.02	0.06	0.38	0.0	0.0	0.0	0.0	0.0	0.15
7	0.02	0.02	0.02	0.02	0.05	0.02	0.0	0.0	0.0	0.0	0.0	0.02
8	0.04	0.02	0.03	0.01	0.04	0.01	0.0	0.0	0.0	0.0	0.0	0.0
9	0.03	0.02	0.03	0.01	0.04	0.01	0.0	2.20	0.0	0.0	0.00	0.0
10	0.03	0.02	0.91	0.02	0.03	0.0 T	0.0	4.51	0.0	0.0	0.01	0.22
11	0.04	0.02	0.13	1.62	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.07
12	0.04	0.02	0.05	0.08	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.01
13	0.04	0.02	0.04	0.05	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.01
14	0.05	0.02	0.03	0.03	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.01
15	0.05	0.02	0.03	0.03	0.02	0.0	0.0	0.0	0.01	0.0	0.0	0.0
16	0.05	0.02	0.03	0.03	0.01	0.0	0.0	0.0	0.09	0.0	0.0	0.0
17	0.05	0.02	0.03	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.05	0.03	0.03	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.04	0.03	0.03	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.04	0.03	0.05	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.03	0.67	0.04	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.03	0.06	0.05	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.02	0.05	0.05	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.02	0.03	0.03	0.02	0.01	0.0	0.0	0.0	0.18	0.00	0.0	0.0
25	0.02	0.03	0.03	0.02	0.11	0.0	0.0	0.0	0.12	0.01	0.0	0.0
26	0.02	0.03	0.03	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.02	0.03	0.03	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.02	0.03	0.03	0.02	0.01	0.0	0.0	0.0	0.0	0.52	0.0	0.0
29	0.02		0.03	6.12	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.02		0.02	4.29	0.01	0.0	0.0	0.0	0.0	6.87	0.0	0.0
31	0.02		0.03		0.03		0.0	0.0		0.29		0.0
MEAN	0.0301	0.0486	0.0642	0.4244	0.1727	0.0158	0.0	0.2167	0.0193	0.2483	0.0301	0.0159
INCHES	0.088	0.128	0.187	1.199	0.504	0.045	0.0	0.632	0.055	0.725	0.085	0.046
STA AV	0.037	0.043	0.316	0.521	0.869	0.556	0.122	0.133	0.377	0.522	0.179	0.420

Station Averages: 8 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.05415.

1975	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5145 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.02	0.05	0.05	0.06	0.10	0.05	0.01	0.0	0.00	0.0	0.0
2	0.49	0.14	0.05	0.05	0.14	0.09	0.05	1.50	0.0	0.0	0.01	0.0
3	0.01	0.25	0.05	0.05	0.11	0.08	0.11	0.08	0.0	0.0	0.0	0.0
4	0.0	0.27	0.05	0.05	0.08	0.07	0.08	0.04	0.0	0.0	0.0	0.0
5	0.0	0.12	0.05	0.05	0.06	0.07	0.06	0.03	0.0	0.0	0.0	0.00
6	0.0	0.06	0.05	0.05	0.05	0.26	0.06	0.02	0.0	0.0	0.0	0.0
7	0.0	0.03	0.05	0.49	0.05	0.22	0.06	0.02	0.0	0.0	0.0	0.0
8	0.0	0.03	0.05	0.17	0.05	0.71	0.05	0.01	0.0	0.0	0.0	0.0
9	0.0	0.02	0.08	0.05	0.04	0.26	0.05	0.01	0.0	0.0	0.0	0.0
10	0.0	0.02	0.06	0.05	0.04	5.66	0.21	0.0	0.0	0.0	0.0	0.0
11	0.0	0.03	0.10	0.05	0.04	0.03	0.08	0.0	0.01	0.0	0.0	0.0
12	0.0	0.03	0.09	0.05	0.04	0.02	0.06	0.0	0.02	0.0	0.0	0.0
13	0.00	0.02	0.08	0.08	0.20	0.02	0.05	0.0	0.00	0.0	0.0	0.0
14	0.0	0.02	0.08	0.05	0.18	0.01	0.03	0.0	0.02	0.0	0.0	0.0
15	0.0	0.03	0.08	0.05	0.10	0.01	0.03	0.0	0.0	0.06	0.0	0.0
16	0.0	0.05	0.09	0.05	0.07	0.01	0.02	0.0	0.0	0.01	0.0	0.0
17	0.0	0.05	0.08	0.05	0.05	0.57	0.02	0.11	0.0	0.01	0.0	0.0
18	0.0	0.05	0.10	0.05	0.05	0.10	0.02	0.01	0.0	0.0	0.01	0.0
19	0.0	0.05	0.07	0.05	0.05	0.08	0.02	0.0	0.0	0.0	0.06	0.0
20	0.0	0.05	0.05	0.04	0.05	0.07	0.03	0.0	0.0	0.0	0.01	0.0
21	0.0	0.05	0.05	0.03	0.05	0.07	0.02	0.0	0.0	0.0	0.01	0.0
22	0.0	0.29	0.03	0.03	8.54	0.54	0.02	0.0	0.0	0.0	0.01	0.0
23	0.0	0.06	0.03	0.03	6.46	2.39	0.01	0.0	0.0	0.0	0.0	0.0
24	0.0	0.05	0.03	0.03	0.23	0.23	0.21	0.0	0.0	0.0	0.0	0.01
25	0.0	0.05	0.02	0.03	0.18	0.10	0.06	0.0	0.0	0.0	0.0	0.01
26	0.0	0.05	0.03	0.03	0.15	0.07	0.07	0.0	0.0	0.0	0.0	0.01
27	0.0	0.05	0.49	0.04	0.13	0.06	0.04	0.00	0.0	0.0	0.0	0.01
28	0.0	0.05	0.18	0.04	0.35	0.05	0.55	0.01	0.0	0.0	0.0	0.01
29	0.0		0.10	2.03	0.45	0.05	0.09	0.0	0.0	0.0	0.0	0.01
30	0.05		0.06	0.30	0.30	0.05	0.02	0.0	0.0	0.0	0.0	0.01
31	0.05		0.05		0.16		0.01	0.0		0.0		0.01
MEAN	0.0193	0.0713	0.0784	0.1392	0.5972	0.4018	0.0722	0.0598	0.0015	0.0028	0.0035	0.0028
INCHES	0.056	0.188	0.229	0.393	1.743	1.135	0.211	0.175	0.004	0.008	0.010	0.008
STA AV	0.039	0.059	0.306	0.507	0.966	0.621	0.132	0.138	0.336	0.465	0.161	0.374

Station Averages: 9 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.05415.

1976 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.01	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.01	0.01	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.01	0.01	0.0	0.0	0.00	0.0	0.0	0.13	0.0	0.0	0.0	0.0
6	0.01	0.01	0.0	0.0	0.02	0.0	0.0	0.02	0.0	0.0	0.0	0.0
7	0.00	0.01	0.03	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.01	0.31	0.01	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
9	0.0	0.01	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.01	0.01	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.01	0.0	0.01	0.0	0.00	0.0	0.0	0.0	0.29	0.0	0.0	0.0
13	0.01	0.0	0.01	0.0	0.01	0.02	0.0	0.0	0.35	0.0	0.0	0.0
14	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.01	0.0	0.01	0.01	0.0	0.0	4.62	0.0	0.0	0.0	0.0	0.0
16	0.01	0.0	0.01	0.01	0.0	0.0	0.85	0.0	0.0	0.0	0.0	0.0
17	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.01	0.0	0.01	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.01	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.01	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0
24	0.01	0.0	0.0	0.0	0.0	1.14	0.0	0.0	0.0	0.0	0.0	0.0
25	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.01	0.0	0.0	0.24	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.02	0.32	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
30	0.01		0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.01		0.0		0.0		0.0	0.0		0.0		0.0
MEAN	0.0071	0.0034	0.0175	0.0324	0.0025	0.0390	0.1835	0.0047	0.0216	0.0	0.0	0.0
INCHES	0.021	0.009	0.051	0.092	0.007	0.110	0.536	0.014	0.061	0.000	0.0	0.0
STA AV	0.038	0.054	0.281	0.465	0.870	0.570	0.172	0.125	0.308	0.419	0.145	0.337

Station Averages: 10 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.09415.

1977 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

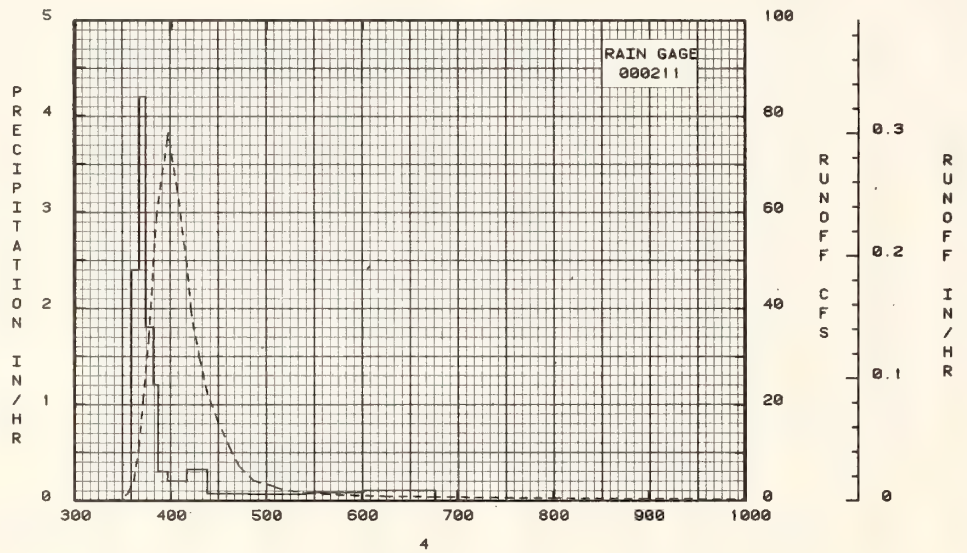
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.01	0.02	0.01	0.01	0.01	0.01	0.01
2	0.0	0.0	0.0	0.0	0.0 T	0.01	0.01	0.01	0.01	0.01	0.01	0.01
3	0.0	0.0	0.0	0.0	0.45	0.01	0.01	0.01	0.01	0.01	0.01	0.0
4	0.0	0.0	0.0	0.0	0.00	0.01	0.0	0.01	0.01	0.01	0.0	0.01
5	0.0	0.0	0.0	0.0	0.23	0.01	0.01	0.01	0.01	0.01	0.0	0.01
6	0.0	0.0	0.0	0.0	0.0 T	0.01	0.01	0.01	0.01	0.01	0.01	0.0
7	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.01	0.01	0.01	0.0
8	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.01	0.02	0.02	0.01
9	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.01	0.02	0.03	0.0
10	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.01	0.01	0.01	0.0
11	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.01	0.40	0.01	0.0
12	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.01	0.01	0.57	0.0	0.01
13	0.0	0.0	0.0	0.0	0.03	0.0	0.01	0.01	0.02	0.01	0.0	0.01
14	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.02	0.01	0.01	0.01
15	0.0	0.0	0.0	0.0	0.00	0.0	0.01	0.01	0.02	0.01	0.01	0.01
16	0.0	0.0	0.0	0.0	0.01	0.0	0.01	0.01	0.02	0.01	0.02	0.01
17	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.02	0.01	0.02	0.01
18	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.01	0.01	0.01	0.01
19	0.0	0.0	0.0	0.0	1.99	0.0	0.01	0.01	0.01	0.01	0.01	0.01
20	0.0	0.0	0.0	0.29	9.14	0.0	0.0	0.01	0.01	0.01	0.01	0.01
21	0.0	0.0	0.0	0.01	10.04	0.0	0.0	0.01	0.01	0.01	0.01	0.0
22	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.01	0.01	0.01	0.01	0.0
23	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.01	0.01	0.02	0.01	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.01	0.01	0.0
25	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.01	0.01	0.01	0.01	0.0
26	0.0	0.0	0.0	0.0	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.0
27	0.0	0.0	0.0	0.0	0.17	0.01	0.01	0.01	0.01	0.01	0.01	0.0
28	0.0	0.0	0.0	0.0	0.08	0.60	0.01	0.01	0.01	0.01	0.01	0.01
29	0.0		0.0	0.00	0.04	0.41	0.01	0.01	0.02	0.01	0.01	0.01
30	0.0		0.0	0.0	0.01	0.07	0.01	0.01	0.02	0.01	0.01	0.01
31	0.0		0.0		0.01		0.01	0.01		0.01		0.02
MEAN	0.0	0.0	0.0	0.0102	0.7346	0.0411	0.0084	0.0077	0.0123	0.0416	0.0103	0.0061
INCHES	0.0	0.0	0.0	0.029	2.144	0.116	0.024	0.023	0.035	0.121	0.029	0.018
STA AV	0.038	0.049	0.255	0.425	0.986	0.528	0.159	0.116	0.283	0.392	0.134	0.308

Station Averages: 11 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.09415.

1968 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 4, 1968							
RG 000211			RG 000211							
9- 4	0.42	0.002	9- 4	335	0.0	0.0	9- 4	321	0.080	0.0
				340	2.4000	0.20		328	0.260	0.0001
				344	4.2000	0.48		333	1.460	0.0004
				349	1.8000	0.63		337	4.260	0.0011
				352	1.2000	0.69		340	11.090	0.0026
WATERSHED CONDITIONS: 100% pasture or range.				358	0.3000	0.72		343	22.210	0.0059
				410	0.2000	0.76		346	33.840	0.0114
				423	0.3231	0.83		351	60.310	0.0268
				449	0.0692	0.86		358	76.470	0.0581
				525	0.0667	0.90		404	64.130	0.0857
				601	0.0833	0.95		410	48.600	0.1078
				646	0.1067	1.03		413	38.400	0.1163
								418	29.630	0.1274
								423	22.210	0.1359
								430	16.060	0.1446
								437	11.090	0.1509
								443	7.060	0.1544
								452	4.130	0.1577
								503	3.120	0.1603
								510	2.190	0.1615
								526	1.460	0.1634
								558	1.000	0.1660
								619	0.810	0.1673
								649	0.720	0.1688
								721	0.570	0.1701
								800	0.470	0.1714
								900	0.300	0.1729

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.



4

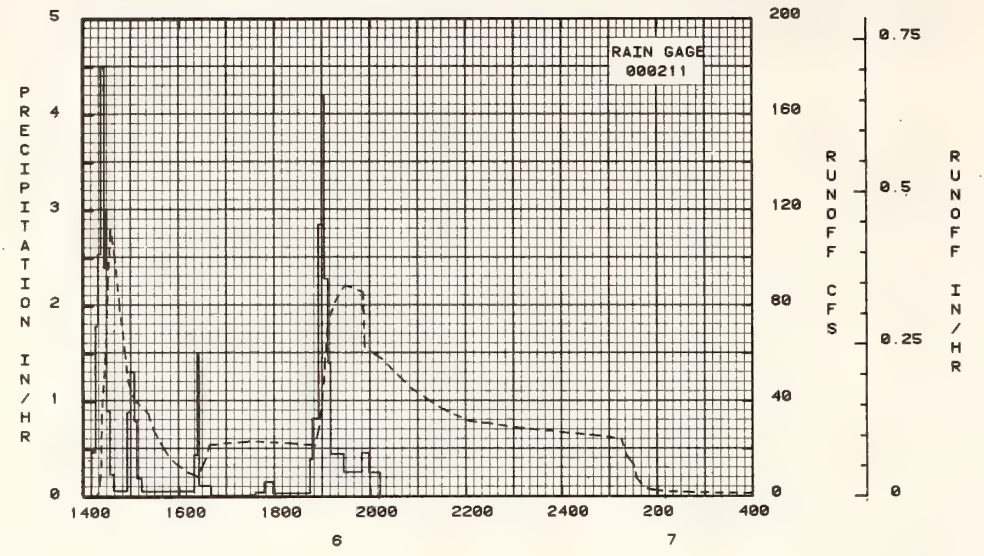
EVENT OF SEPTEMBER 4, 1968

CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

1969 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR RIDGEROSE

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 6 - 7, 1969							
69 000211			69 000211							
5- 6	0.0	0.027	5- 6	1411	0.0	0.0	5- 6	1415	0.610	0.0
				1415	0.4800	0.04		1419	2.190	0.0004
				1418	1.8000	0.13		1422	10.020	0.0016
				1422	2.5500	0.30		1423	35.170	0.0031
				1426	4.5000	0.60		1428	60.310	0.0187
WATERSHED CONDITIONS:										
100% pasture or range.				1427	2.4000	0.64		1431	92.600	0.0337
				1429	3.0000	0.74		1434	112.210	0.0537
				1433	0.9000	0.80		1440	98.330	0.0950
				1438	0.2400	0.82		1446	78.090	0.1296
				1455	0.0706	0.84		1452	61.240	0.1570
				1459	0.9000	0.90		1456	48.420	0.1713
				1504	1.3200	1.01		1504	40.710	0.1946
				1507	0.8000	1.05		1521	35.110	0.2368
				1513	0.2000	1.07		1528	28.030	0.2512
				1619	0.0636	1.14		1537	22.560	0.2661
				1623	0.4500	1.17		1546	17.800	0.2780
				1625	1.5000	1.22		1556	13.960	0.2883
				1640	0.1200	1.25		1613	10.250	0.3018
				1736	0.0214	1.27		1623	8.600	0.3080
				1747	0.0545	1.28		1634	16.650	0.3170
				1758	0.1636	1.31		1638	22.230	0.3221
				1844	0.0391	1.34		1728	23.600	0.3970
				1847	0.4000	1.36		1819	22.560	0.4740
				1855	0.8250	1.47		1851	21.560	0.5201
				1859	2.8500	1.66		1856	30.010	0.5286
				1902	4.2000	1.87		1900	41.690	0.5380
				1907	2.2800	2.06		1903	55.190	0.5475
				1910	1.4000	2.13		1907	73.120	0.5642
				1926	0.4500	2.25		1916	81.770	0.6098
				1949	0.2609	2.35		1928	88.540	0.6767
				1958	0.4667	2.42		1951	85.540	0.8076
				2012	0.2571	2.48		1953	62.500	0.8173
								2015	57.570	0.9037
								2037	50.060	0.9811
								2052	45.240	1.0278
								2119	39.260	1.1024
								2137	35.560	1.1464
								2204	31.660	1.2058
								2233	30.420	1.2646
								2304	28.810	1.3246
								2340	27.640	1.3911
								2400	26.980	1.4267
							5- 7	48	25.390	1.5088
								115	23.950	1.5523
								122	16.930	1.5617
								131	12.970	1.5705
								134	7.820	1.5725
								140	5.160	1.5751
								149	3.050	1.5775

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.



EVENT OF MAY 6 - 7, 1969

CHICKASEA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

1969 SELECTED RUNOFF EVENT — CHICKASEA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

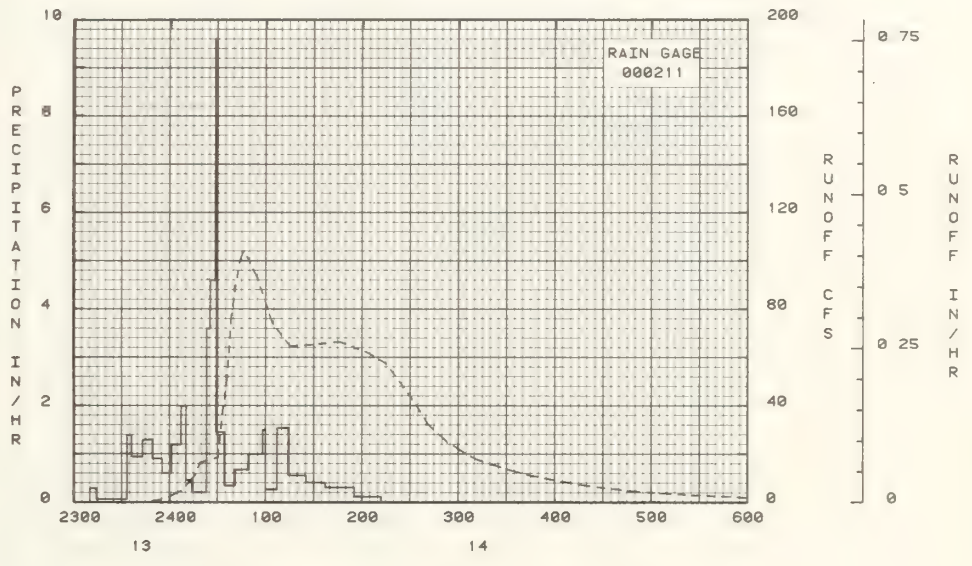
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 13 - 14, 1969							
RG 000211			RG 000211							
6-13	0.33	0.004	6-13	2300	0.0	0.0	6-13	2301	0.040	0.0
				2310	0.0	0.0		2340	0.090	0.0002
				2314	0.3000	0.02		2349	0.510	0.0003
				2333	0.0632	0.04		2355	1.510	0.0007
				2336	1.4000	0.11		2400	2.650	0.0014
WATERSHED CONDITIONS:										
100% pasture or range.				2343	0.9429	0.22	6-14	7	4.880	0.0032
				2349	1.3000	0.35		11	7.640	0.0048
				2355	0.9000	0.44		16	11.560	0.0079
			6-14	1	0.6000	0.50		19	16.650	0.0107
				7	1.2000	0.62		30	18.700	0.0234
				10	2.0000	0.72		33	36.920	0.0289
				14	0.4500	0.75		36	52.870	0.0377
				23	0.2000	0.78		38	75.230	0.0460
				25	3.6000	0.90		43	99.160	0.0746
				28	4.6000	1.13		46	104.260	0.0945
				29	9.6000	1.29		55	91.800	0.1522
				34	1.4400	1.41		104	73.820	0.2009
				41	0.3429	1.45		115	64.420	0.2506
				49	0.6750	1.54		145	66.370	0.3789
				58	1.0000	1.69		203	61.870	0.4544
				100	1.5000	1.74		215	56.970	0.5010
				107	0.2571	1.77		226	47.350	0.5385
				114	1.5429	1.95		234	39.740	0.5613
				125	0.5455	2.05		241	32.080	0.5777
				137	0.4000	2.13		253	24.660	0.6000
				155	0.3000	2.22		304	20.260	0.6161
				212	0.1059	2.25		311	17.510	0.6248
				221	0.0	2.25		322	15.270	0.6366
								334	12.730	0.6475
								345	10.890	0.6560

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.

1969 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 13 - 14, 1969 (CONTINUED)							
							6-14	355	9.630	0.6627
								406	8.200	0.6691
								422	6.570	0.6769
								437	5.310	0.6827
								453	4.210	0.6877

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.



EVENT OF JUNE 13 - 14, 1969

CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

1970 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

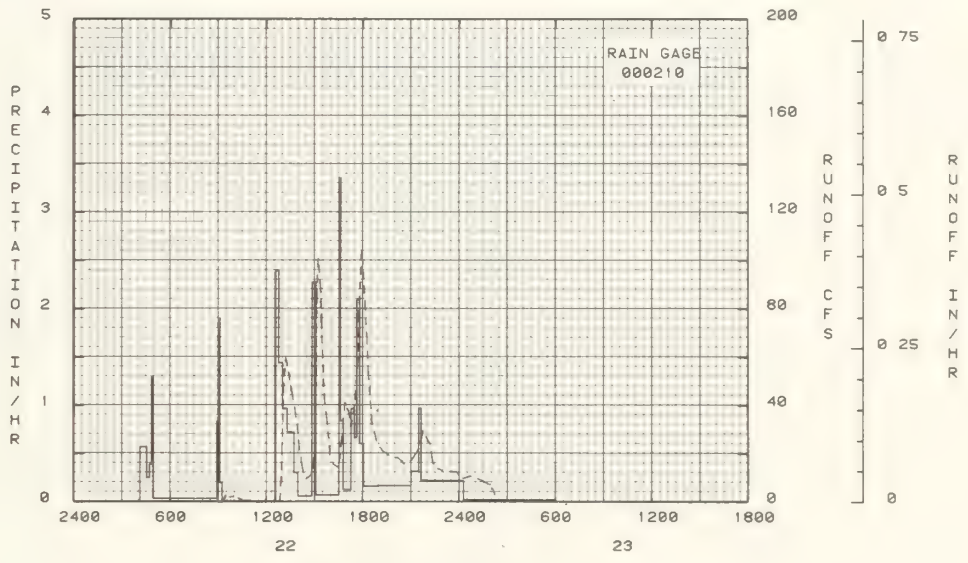
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 22 - 23, 1970							
RG 000210			RG 000210							
9-22	0.0	0.0	9-22	408	0.0	0.0	9-22	858	0.0	0.0
				432	0.5750	0.23		916	0.060	0.0000
				444	0.2500	0.28		922	1.320	0.0003
				450	0.4000	0.32		928	2.880	0.0011
				456	1.3000	0.45		943	2.010	0.0035
WATERSHED CONDITIONS:										
100% pasture or range.				855	0.0326	0.58		958	2.420	0.0057
				900	0.8400	0.65		1015	1.580	0.0079
				906	1.9000	0.84		1025	0.990	0.0088
				915	0.2000	0.87		1040	0.570	0.0095
				1235	0.0090	0.90		1101	0.300	0.0101
				1246	2.4000	1.34		1130	0.160	0.0106
				1301	1.4400	1.70		1155	0.100	0.0108
				1319	0.9667	1.99		1216	0.060	0.0109
				1344	0.7200	2.29		1245	0.100	0.0110
				1358	0.3000	2.36		1252	0.680	0.0112
				1450	0.0577	2.41		1255	10.650	0.0123
				1505	2.2800	2.98		1300	24.500	0.0181
				1632	0.0690	3.08		1304	46.390	0.0273
				1637	3.3600	3.36		1313	59.750	0.0586
				1647	0.8400	3.50		1328	50.620	0.1127
				1716	0.1241	3.56		1337	45.370	0.1409
				1729	0.9692	3.77		1351	35.030	0.1777
				1738	0.6667	3.87		1358	28.510	0.1923
				1748	2.1000	4.22		1404	21.480	0.2021
				1804	0.6000	4.38		1413	15.620	0.2130
				1856	0.1615	4.52		1419	11.950	0.2184
				2101	0.1680	4.87		1428	9.630	0.2248
				2131	0.3200	5.03		1448	11.510	0.2386
				2139	0.9750	5.16		1458	15.620	0.2474
			9-23	18	0.2189	5.74		1503	28.130	0.2546
				601	0.0192	5.85		1506	49.540	0.2622
								1508	85.270	0.2710
								1513	100.970	0.3015
								1522	86.760	0.3567
								1526	71.820	0.3774
								1531	59.750	0.3989
								1537	43.370	0.4192
								1548	32.080	0.4463
								1558	19.300	0.4631
								1610	15.620	0.4768
								1631	14.080	0.4972
								1641	24.850	0.5099
								1646	32.080	0.5192
								1653	41.420	0.5361
								1708	37.690	0.5748
								1716	30.860	0.5928
								1734	43.370	0.6365
								1740	56.800	0.6561
								1746	79.430	0.6828
								1753	100.970	0.7241
								1756	104.310	0.7442
								1810	79.430	0.8283
								1816	65.300	0.8567
								1823	50.620	0.8832
								1836	32.080	0.9184
								1852	25.200	0.9484
								1913	21.160	0.9802
								1938	19.300	1.0133
								2013	18.120	1.0561
								2037	15.620	1.0825
								2106	17.550	1.1140
								2128	21.800	1.1423
								2137	24.850	1.1560
								2146	29.670	1.1721
								2213	23.810	1.2193
								2225	15.620	1.2347
								2240	13.840	1.2492
								2300	12.870	1.2667
								2351	12.410	1.3088
								2400	11.290	1.3158

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.

1970 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 22 - 23, 1970 (CONTINUED)							
							9-23	16	9.830	1.3268
								46	10.860	1.3471
								126	8.860	1.3729
								155	7.120	1.3880
								207	5.540	1.3930
								216	3.080	1.3956
								223	0.890	1.3965
								252	0.570	1.3978
								340	0.410	1.3994
								445	0.230	1.4007
								555	0.140	1.4016

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.



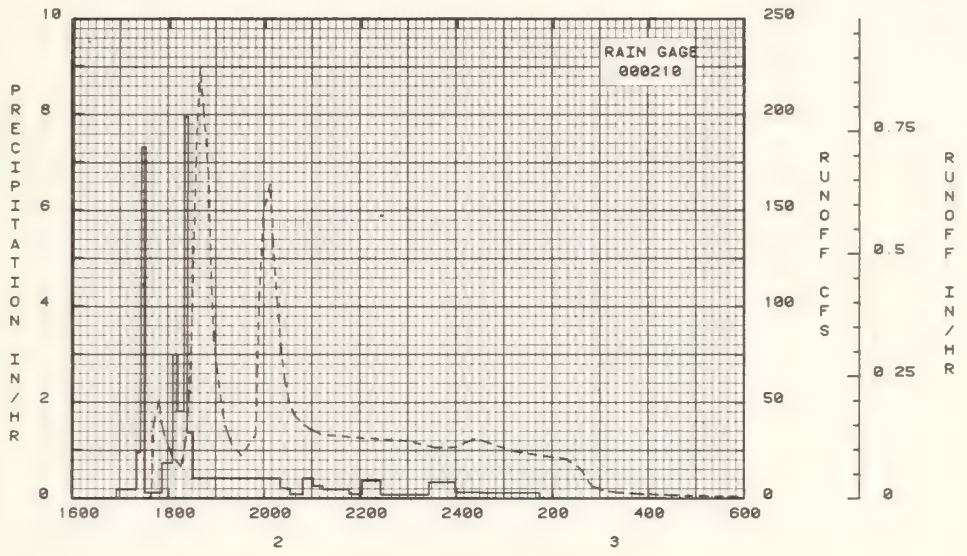
EVENT OF SEPTEMBER 22 - 23, 1970

CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

1971 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5145 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 2 - 3, 1971							
RG 000210			RG 000210							
10- 2	0.08	0.0	10- 2	1655	0.0	0.0	10- 2	1736	0.0	0.0
				1720	0.1920	0.08		1738	1.810	0.0001
				1725	0.9600	0.16		1740	18.000	0.0014
				1730	7.3200	0.77		1741	39.110	0.0033
				1752	0.1091	0.81		1748	51.550	0.0240
WATERSHED CONDITIONS:										
100% pasture or range.				1805	0.7385	0.97		1751	38.640	0.0329
				1811	3.0000	1.27		1755	32.360	0.0422
				1819	1.8000	1.51		1804	22.110	0.0582
				1823	7.9500	2.04		1815	16.270	0.0720
				1831	1.3500	2.22		1819	22.750	0.0771
				2020	0.4128	2.97		1822	32.360	0.0825
				2032	0.2000	3.01		1826	56.220	0.0941
				2048	0.0750	3.03		1828	86.230	0.1034
				2101	0.4154	3.12		1833	174.320	0.1460
				2113	0.2500	3.17		1836	216.260	0.1843
				2146	0.1818	3.27		1838	224.090	0.2131
				2202	0.0750	3.29		1843	198.190	0.2821
				2225	0.3652	3.43		1849	166.360	0.3536
				2326	0.0689	3.50		1853	109.540	0.3857
				2358	0.3375	3.68		1856	81.670	0.4085
			10- 3	32	0.1235	3.75		1901	64.930	0.4324
				144	0.1083	3.88		1907	45.050	0.4540
								1913	34.970	0.4697
								1919	27.900	0.4820
								1931	22.110	0.5017
								1949	33.220	0.5342
								1951	65.580	0.5407
								1953	107.760	0.5520
								1958	148.720	0.5939
								2006	163.760	0.6757
								2010	134.600	0.7147
								2016	99.130	0.7605
								2021	75.830	0.7891
								2025	61.730	0.8071
								2031	49.910	0.8290
								2037	43.040	0.8472
								2055	36.320	0.8939
								2110	33.220	0.9280
								2204	31.100	1.0416
								2258	29.870	1.1492
								2333	26.370	1.2136
								2400	26.750	1.2605
							10- 3	13	29.470	1.2844
								23	31.100	1.3042
								43	28.250	1.3430
								113	24.180	1.3944
								152	21.770	1.4530
								216	20.470	1.4862
								233	16.000	1.5064
								240	12.180	1.5129
								249	6.210	1.5183
								303	4.010	1.5230
								319	2.920	1.5266
								345	2.200	1.5310
								428	1.530	1.5362

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.



EVENT OF OCTOBER 2 - 3, 1971

CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

1972 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

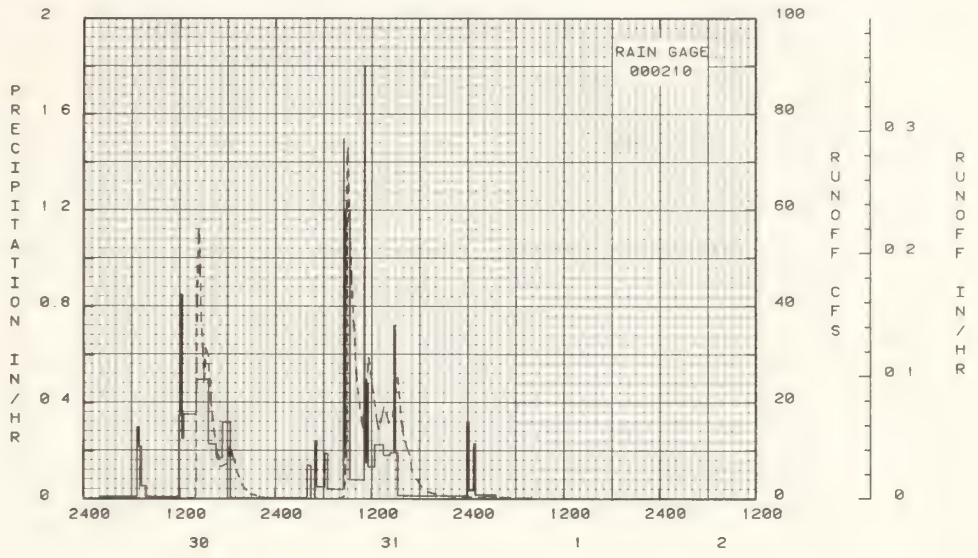
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 30 - NOVEMBER 1 1972							
	RG 000210			RG 000210						
10-30	0.0	0.001	10-30	202	0.0	0.0	10-30	1237	0.020	0.0
				640	0.0129	0.06		1245	0.110	0.0000
				652	0.3000	0.12		1258	0.260	0.0002
				714	0.2182	0.20		1352	0.200	0.0010
				747	0.0545	0.23		1401	0.690	0.0013
WATERSHED CONDITIONS:										
100% pasture or range.				1156	0.0096	0.27		1403	4.900	0.0016
				1208	0.3500	0.34		1404	16.000	0.0023
				1220	0.8500	0.51		1407	27.900	0.0066
				1232	0.2500	0.56		1411	41.050	0.0156
				1405	0.3548	1.11		1419	54.460	0.0406
				1409	0.4500	1.14		1422	56.220	0.0515
				1537	0.4977	1.87		1433	47.730	0.0888
				1635	0.2276	2.09		1440	36.770	0.1082
				1721	0.1696	2.22		1453	31.100	0.1370
				1823	0.3194	2.55		1507	24.540	0.1625
			10-31	355	0.0042	2.59		1516	31.520	0.1790
				425	0.1400	2.66		1536	29.470	0.2189
				455	0.0	2.66		1546	24.900	0.2366
				510	0.2400	2.72		1555	20.790	0.2501
				611	0.0492	2.77		1606	17.700	0.2639
				630	0.1895	2.83		1626	12.650	0.2838
				829	0.0403	2.91		1638	10.190	0.2927
				831	1.5000	2.96		1652	8.260	0.3012
				845	0.1714	3.00		1707	6.690	0.3085
				917	1.2000	3.64		1751	7.360	0.3287
				1104	0.0785	3.78		1810	9.370	0.3391
				1109	1.8000	3.93		1822	11.270	0.3472
				1125	0.1500	3.97		1841	8.830	0.3597
				1135	0.4800	4.05		1855	7.360	0.3671
				1225	0.1320	4.16		1910	5.900	0.3736

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.

1972 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF OCTOBER 30 - NOVEMBER 1, 1972 (CONTINUED)										
			10-31	1329	0.2250	4.40	10-30	1949	2.920	0.3848
				1419	0.1800	4.55		2026	1.670	0.3904
				1447	0.1929	4.64		2055	1.010	0.3929
				1452	0.7200	4.70		2138	0.650	0.3952
				1500	0.3750	4.75		2158	0.410	0.3959
				1519	0.1895	4.81		2318	0.150	0.3974
				2355	0.0128	4.92		2400	0.070	0.3977
			11- 1	10	0.3200	5.00	10-31	152	0.030	0.3981
				46	0.0333	5.02		304	0.010	0.3982
				59	0.2308	5.07		349	0.010	0.3982
				332	0.0157	5.11		441	0.030	0.3983
								530	0.060	0.3984
								638	0.110	0.3988
								734	0.070	0.3991
								752	0.130	0.3992
								811	0.260	0.3995
								836	0.690	0.4002
								846	5.600	0.4023
								849	16.270	0.4044
								851	60.480	0.4095
								856	70.930	0.4309
								901	73.010	0.4545
								907	63.640	0.4813
								931	44.570	0.5662
								945	36.320	0.6032
								1010	24.540	0.6529
								1043	16.270	0.6970
								1055	14.650	0.7091
								1111	22.450	0.7285
								1125	24.900	0.7502
								1137	29.470	0.7715
								1240	16.270	0.8657
								1251	14.390	0.8767
								1316	16.550	0.9020
								1334	19.210	0.9231
								1349	17.700	0.9412
								1411	15.720	0.9652
								1437	17.120	0.9931
								1501	21.440	1.0234
								1516	25.260	1.0463
								1546	15.720	1.0865
								1600	13.130	1.0997
								1626	10.610	1.1198
								1646	9.030	1.1327
								1707	5.450	1.1426
								1816	2.370	1.1603
								1916	1.280	1.1674
								2004	0.910	1.1709
								2137	0.510	1.1752
								2400	0.280	1.1789
							11- 1	30	0.440	1.1796
								141	0.390	1.1815
								221	0.510	1.1827
								234	0.540	1.1831
								337	0.390	1.1851

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.



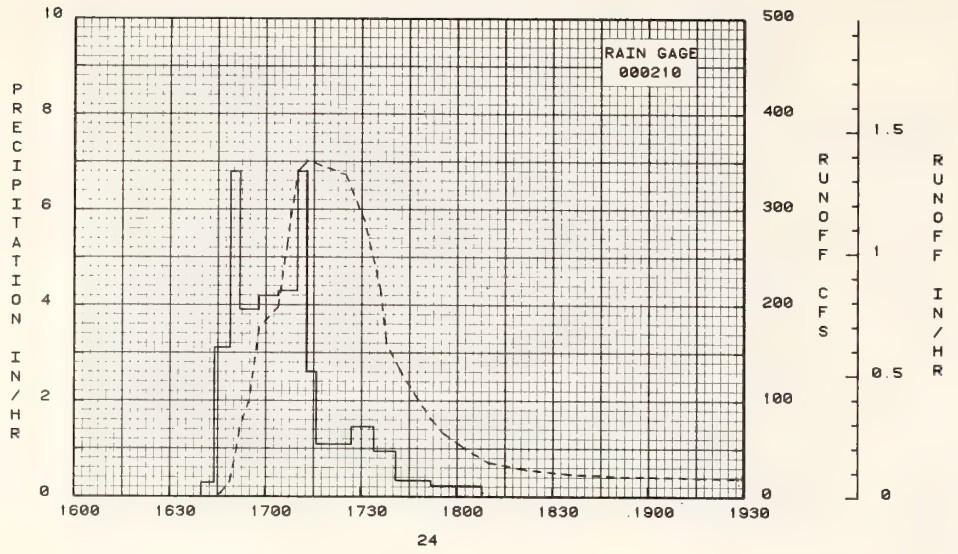
EVENT OF OCTOBER 30 - NOVEMBER 1, 1972

CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MAY 24, 1973						
RG 000210				RG 000210						
5-24	0.0	0.005	5-24	1640	0.0	0.0	5-24	1640	0.060	0.0
				1644	0.3000	0.02		1643	0.630	0.0001
				1649	3.1200	0.28		1646	3.350	0.0005
				1652	6.8017	0.62		1649	16.010	0.0024
				1658	3.9000	1.01		1651	47.800	0.0065
WATERSHED CONDITIONS:										
100% pasture or range.				1704	4.2000	1.43		1652	72.160	0.0104
				1710	4.3000	1.86		1655	101.000	0.0274
				1713	6.8000	2.20		1658	177.220	0.0547
				1716	2.6000	2.33		1704	197.870	0.1283
				1727	1.0909	2.53		1707	269.868	0.1742
				1734	1.4571	2.70		1710	340.070	0.2340
				1741	0.9429	2.81		1713	350.990	0.3018
				1752	0.3273	2.87		1725	335.770	0.5712
				1808	0.2250	2.93		1731	286.918	0.6933
								1736	216.410	0.7756
								1738	159.250	0.8002
								1743	126.930	0.8469
								1748	101.000	0.8842
								1752	80.700	0.9080
								1756	65.490	0.9271
								1803	48.870	0.9532
								1810	35.140	0.9725
								1822	27.740	0.9971
								1836	23.050	1.0204
								1852	20.740	1.0433

Conversion Factor: CFS to IN/HR, multiply by 0.00892300.



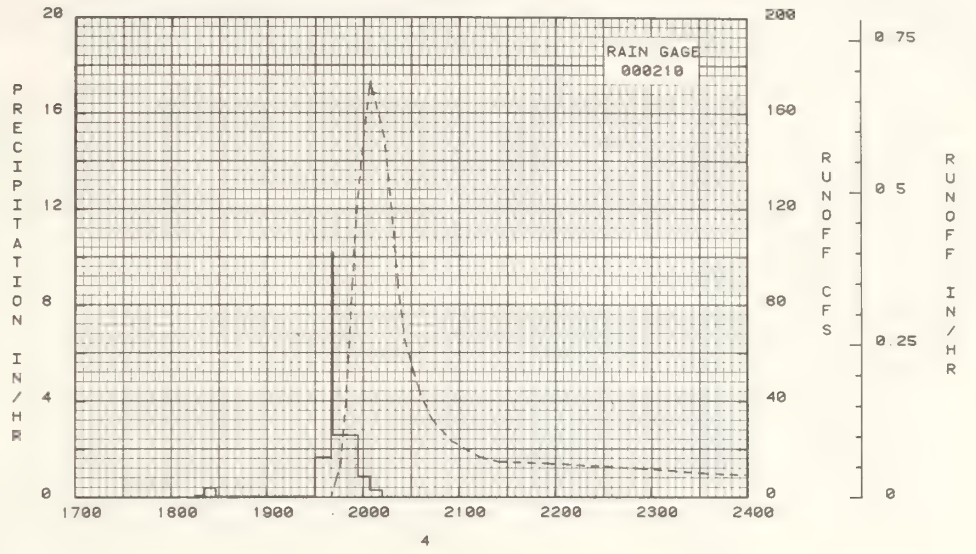
EVENT OF MAY 24, 1973

CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JUNE 4, 1973						
RG 000210				RG 000210						
6- 4	0.0	0.015	6- 4	1815	0.0	0.0	6- 4	1940	0.230	0.0
				1821	0.1000	0.01		1941	2.180	0.0001
				1828	0.4286	0.06		1943	7.280	0.0007
				1930	0.0484	0.11		1946	13.430	0.0027
				1940	1.6800	0.39		1949	37.850	0.0078
WATERSHED CONDITIONS:										
100% pasture or range.				1941	10.1932	0.56		1951	59.210	0.0141
				1957	2.5875	1.25		1953	88.270	0.0237
				2004	0.8571	1.35		1956	121.640	0.0443
				2012	0.3000	1.39		2000	149.530	0.0798
								2004	173.260	0.1220
								2013	149.530	0.2170
								2018	116.500	0.2605
								2022	86.720	0.2870
								2026	65.490	0.3069
								2031	53.320	0.3263
								2036	42.640	0.3420
								2043	32.550	0.3592
								2055	23.390	0.3812
								2113	16.560	0.4047
								2125	14.690	0.4170
								2200	13.680	0.4494

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.



EVENT OF JUNE 4, 1973

CHICKASEA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

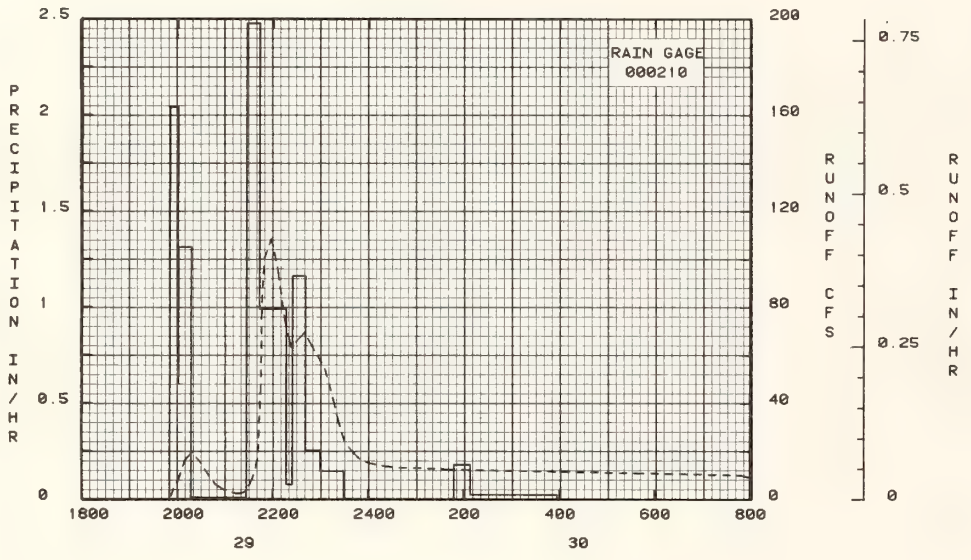
1974 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF APRIL 29 - 30, 1974						
RG 000210				RG 000210						
4-29	1.05	0.007	4-29	1950	0.0	0.0	4-29	1940	0.050	0.0
				2000	2.0400	0.34		1948	0.230	0.0001
				2001	0.6000	0.35		1952	1.440	0.0003
				2017	1.3125	0.70		1955	4.300	0.0008
				2127	0.0086	0.71		2000	7.380	0.0028
WATERSHED CONDITIONS:										
100% pasture or range.				2143	2.4750	1.37		2004	11.070	0.0052
				2217	0.9882	1.93		2010	16.550	0.0106
				2225	0.0750	1.94		2018	19.500	0.0200
				2241	1.1625	2.25		2030	14.920	0.0335
				2300	0.2526	2.33		2040	9.600	0.0415
				2329	0.1448	2.40		2048	6.090	0.0456
			4-30	148	0.0	2.40		2100	3.590	0.0494
				208	0.1800	2.46		2115	2.240	0.0523
				357	0.0220	2.50		2125	3.170	0.0541
								2131	6.400	0.0559
								2136	10.210	0.0587
								2141	16.830	0.0631
								2145	48.060	0.0716
								2146	78.960	0.0757
								2149	100.340	0.0933
								2158	108.220	0.1547
								2207	94.260	0.2142
								2215	74.480	0.2584
								2223	63.310	0.2944
								2240	69.450	0.3682
								2252	61.990	0.4197
								2306	53.850	0.4728
								2316	41.150	0.5038
								2322	33.090	0.5184
								2330	24.130	0.5333

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.

1974 SELECTED RUNOFF EVENT				CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG					
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 29 - 30, 1974 (CONTINUED)							
							4-29	2340	19.500	0.5476
								2349	16.550	0.5582
								2400	14.920	0.5695
							4-30	30	13.150	0.5971
								149	12.200	0.6625
								538	10.850	0.8351

Conversion Factor: CFS to IN/HR, multiply by 0.00392300..



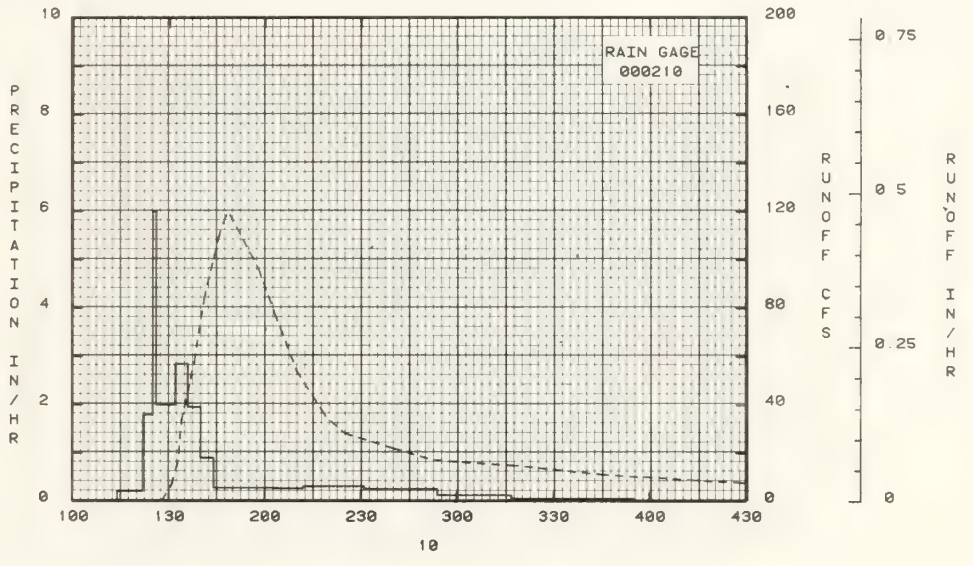
EVENT OF APRIL 29 - 30, 1974

CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

1975 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 10, 1975							
RG 000210			RG 000210							
6-10	0.0	0.026	6-10	114	0.0	0.0	6-10	128	0.640	0.0
				122	0.2250	0.03		131	7.110	0.0008
				125	1.8000	0.12		133	17.030	0.0023
				126	6.0000	0.22		134	33.380	0.0040
				132	2.0000	0.42		138	57.960	0.0159
WATERSHED CONDITIONS: 100% pasture or range.				136	2.8500	0.61		141	83.950	0.0299
				140	1.9500	0.74		146	112.170	0.0619
				144	0.9000	0.80		148	118.680	0.0770
				203	0.2842	0.89		149	118.680	0.0848
				212	0.2667	0.93		158	95.950	0.1479
				231	0.3158	1.03		204	74.600	0.1814
				254	0.2609	1.13		210	53.900	0.2066
				317	0.1304	1.18		219	35.260	0.2328
				355	0.0632	1.22		225	28.120	0.2452
				532	0.0062	1.23		240	21.960	0.2698
								253	17.030	0.2864
								319	14.720	0.3134
								345	11.170	0.3354
								415	8.800	0.3550
								449	7.650	0.3732
								536	7.110	0.3959

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.



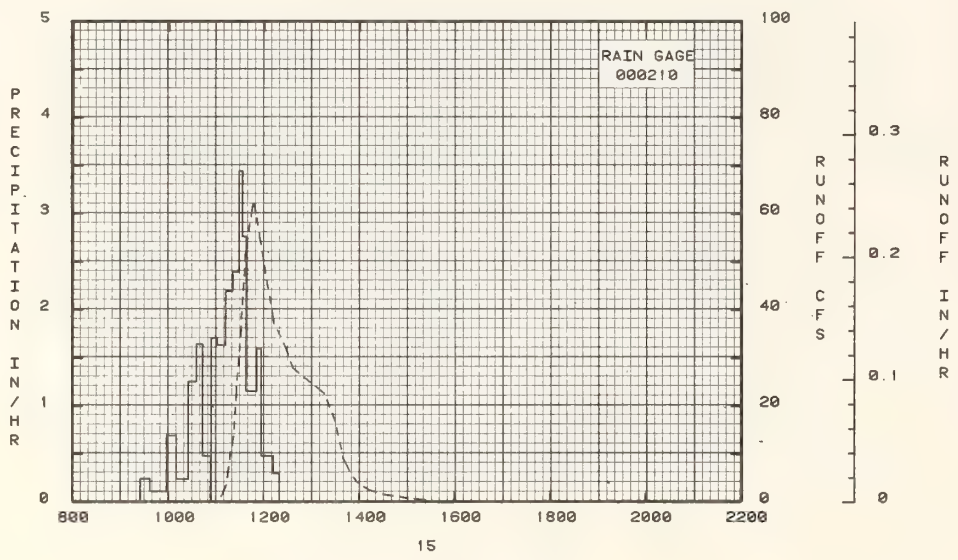
EVENT OF JUNE 10, 1975

CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

1976 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JULY 15, 1976							
RG 000210			RG 000210							
7-15	0.0	0.0	7-15	925	0.0	0.0	7-15	1058	0.0	0.0
				937	0.2500	0.05		1101	0.180	0.0000
				958	0.1143	0.09		1107	1.420	0.0003
				1010	0.7000	0.23		1113	3.710	0.0013
				1025	0.2400	0.29		1116	7.490	0.0024
WATERSHED CONDITIONS: 100% pasture or range.				1035	1.2600	0.50		1122	13.790	0.0066
				1043	1.6500	0.72		1126	24.050	0.0116
				1053	0.4800	0.80		1131	35.220	0.0213
				1054	0.0	0.80		1137	52.040	0.0384
				1101	1.7143	1.00		1146	62.020	0.0719
				1112	1.6364	1.30		1148	62.020	0.0800
				1121	2.2000	1.63		1155	55.040	0.1068
				1129	2.4000	1.95		1204	45.800	0.1365
				1133	3.4500	2.18		1213	37.110	0.1609
				1138	2.7600	2.41		1228	32.070	0.1948
				1151	1.1538	2.66		1237	27.880	0.2124
				1157	1.6000	2.82		1316	22.620	0.2768
				1212	0.4800	2.94		1330	16.820	0.2949
				1220	0.3000	2.98		1340	8.990	0.3033
				1610	0.0052	3.00		1348	6.470	0.3074
								1358	3.950	0.3108
								1413	2.490	0.3139
								1434	1.480	0.3167
								1501	0.830	0.3187
								1523	0.450	0.3196
								1543	0.110	0.3200
								1615	0.180	0.3203
								1656	0.120	0.3207

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.



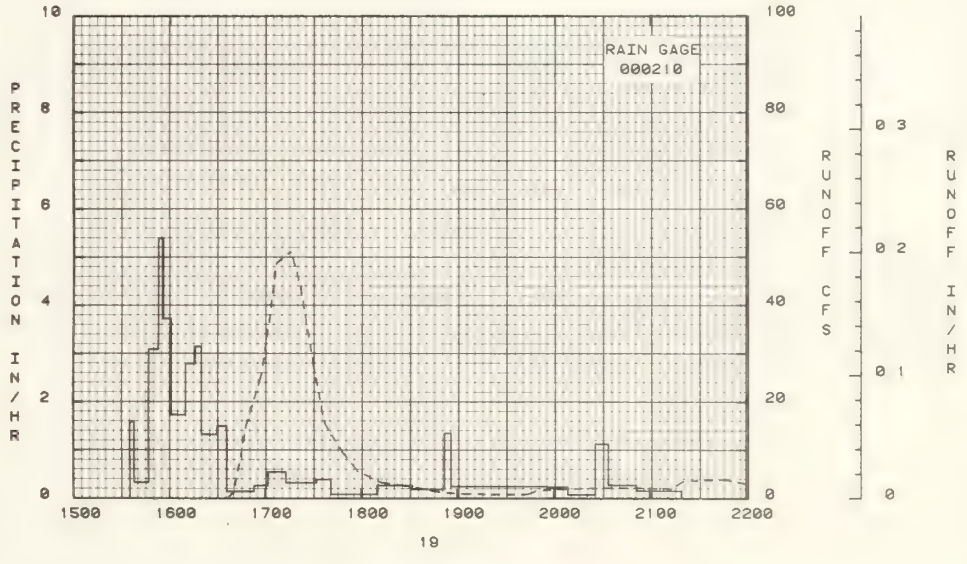
EVENT OF JULY 15, 1976

CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

1977 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5145 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	RAINFALL Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	RUNOFF Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MAY 19, 1977						
	RG 000210			RG 000210						
5-19	0.0	0.0	5-19	1535	0.0	0.0	5-19	1636	0.0	0.0
				1538	1.6000	0.08		1640	1.260	0.0002
				1547	0.3333	0.13		1643	5.770	0.0008
				1553	3.1000	0.44		1648	15.060	0.0042
				1556	5.4000	0.71		1658	26.110	0.0177
WATERSHED CONDITIONS: 100% pasture or range.				1601	3.7200	1.02		1703	38.130	0.0282
				1610	1.7333	1.28		1707	48.820	0.0396
				1616	2.8000	1.56		1715	51.030	0.0557
				1620	3.1500	1.77		1716	51.030	0.0690
				1630	1.3200	1.99		1722	43.770	0.0876
				1636	1.5000	2.14		1730	27.840	0.1063
				1653	0.1412	2.18		1737	15.600	0.1163
				1702	0.2667	2.22		1748	9.560	0.1253
				1713	0.5455	2.32		1758	5.480	0.1302
				1732	0.3158	2.42		1813	3.170	0.1345
				1741	0.4000	2.48		1830	2.420	0.1376
				1810	0.0828	2.52		1849	1.260	0.1399
				1832	0.2727	2.62		1904	0.850	0.1409
				1852	0.1800	2.68		1943	0.760	0.1430
				1856	1.3500	2.77		1949	1.580	0.1435
				1929	0.2364	2.90		2004	1.930	0.1452
				1956	0.2444	3.01		2037	2.250	0.1497
				2009	0.2308	3.06		2113	1.930	0.1546
				2026	0.0706	3.08		2121	3.590	0.1561
				2034	1.1250	3.23		2146	3.930	0.1622
				2052	0.2667	3.31				
				2120	0.1500	3.38				

Conversion Factor: CFS to IN/HR, multiply by 0.00392300.



EVENT OF MAY 19, 1977

CHICKASHA, OKLAHOMA WATERSHED 5145 NEAR MIDDLEBURG

LOCATION: Grady County, Okla.; small watershed near Highway 62 in the vicinity of Middleburg; tributary of East Bitter Creek; Washita River; Red River Basin. GAGING STATION--NE1/4 sec. 5, T. 7 N., R. 5 W., Lat. 35 deg. 06 min. 50 sec., Long. 97 deg. 44 min. 34 sec.

AREA: 761.60 acres 1.19 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.55	1.25	2.12	2.00	4.42	2.31	3.42	1.36	3.52	2.26	4.29	1.05	30.55
1968	Q	0.006	0.011	0.190	0.149	0.219	0.157	0.064	0.0	0.135	0.028	0.035	0.003	0.996
	P	0.74	2.61	2.19	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.69
1969	Q	0.009	0.066	0.183	0.215	1.482	0.469	0.076	0.0	0.017	0.0	0.0	0.0	2.517
	P	0.11	0.76	2.00	2.27	3.87	1.14	1.81	2.42	7.24	2.84	1.05	0.38	25.89
1970	Q	0.0	0.0	0.000	0.015	0.137	0.000	0.000	0.017	0.451	0.045	0.0	0.0	0.665
	P	0.63	1.79	0.15	0.95	4.04	4.91	2.79	3.05	5.51	5.44	0.65	3.48	33.39
1971	Q	0.0	0.015	0.0	0.0	0.042	0.289	0.025	0.017	0.253	0.574	0.0	0.293	1.507
	P	0.18	0.63	0.88	3.69	3.32	0.99	1.74	1.50	0.67	8.28	2.43	0.72	25.03
1972	Q	0.020	0.030	0.032	0.111	0.129	0.0	0.002	0.0	0.0	0.392	0.024	0.0	0.740
	P	3.49	0.65	6.26	2.57	7.31	6.20	4.35	1.25	8.48	2.88	3.35	0.11	46.90
1973	Q	0.050	0.024	1.351	0.865	2.162	2.650	0.277	0.036	0.430	0.316	0.816	0.296	9.273
	P	0.13	1.68	1.78	4.60	3.51	0.92	0.42	4.78	3.64	5.36	1.70	1.50	30.02
1974	Q	0.152	0.159	0.269	0.819	0.733	0.057	0.0	0.187	0.000	0.259	0.045	0.042	2.723
	P	1.91	2.07	2.03	2.34	7.86	5.16	5.09	1.72	1.75	1.04	1.34	1.12	33.43
1975	Q	0.159	0.315	0.359	0.396	1.593	1.309	0.444	0.149	0.032	0.033	0.059	0.067	4.916
	P	0.0	0.33	2.89	3.47	1.68	2.69	3.74	1.66	3.45	2.19	0.17	0.60	22.87
1976	Q	0.064	0.053	0.104	0.113	0.063	0.033	0.096	0.002	0.014	0.0	0.0	0.0	0.543
	P	0.62	1.66	1.34	2.65	9.40	2.85	0.86	1.10	0.74	1.52	1.04	0.14	23.92
1977	Q	0.0	0.0	0.0	0.010	1.503	0.093	0.000	0.0	0.0	0.0	0.0	0.0	1.606
STA AV	P	0.95	1.23	2.17	2.86	4.48	2.70	2.37	1.87	3.68	3.14	1.49	0.93	27.86
	Q	0.042	0.061	0.226	0.347	0.746	0.461	0.089	0.037	0.125	0.151	0.089	0.064	2.440

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1968	9- 4	0.125	9- 4	0.089	9- 4	0.111	9- 4	0.130	9- 3	0.134	9- 3	0.135	9- 3	0.135	3-19	0.151
1969	5- 6	0.301	5- 6	0.268	5- 6	0.406	5- 6	0.651	5- 6	0.811	5- 6	0.856	5- 6	0.912	5- 3	1.210
1970	9-22	0.185	9-22	0.143	9-22	0.200	9-22	0.328	9-22	0.425	9-22	0.446	9-21	0.451	9-21	0.451
1971	10- 2	0.298	10- 2	0.224	10- 2	0.358	10- 2	0.518	10- 2	0.558	10- 2	0.562	10- 2	0.562	10- 2	0.562
1972	10-31	0.085	10-31	0.061	10-31	0.092	10-31	0.205	10-31	0.268	10-30	0.285	10-30	0.380	10-30	0.380
1973	5-24	0.640	5-24	0.565	5-24	0.854	5-24	0.997	5-24	1.033	5-24	1.064	5-22	1.307	5-31	2.539
1974	4-29	0.253	4-29	0.225	4-29	0.379	4-29	0.508	4-29	0.547	4-29	0.566	4-29	0.682	4-29	1.162
1975	5-22	0.196	5-22	0.165	5-22	0.290	5-22	0.582	5-22	0.853	5-22	0.947	5-22	1.005	5-22	1.338
1976	7-15	0.045	7-15	0.037	7-15	0.057	7-15	0.070	7-15	0.071	7-15	0.095	7-15	0.095	7-15	0.095
1977	5-20	0.513	5-20	0.444	5-20	0.620	5-20	0.828	5-20	0.856	5-20	0.870	5-19	1.379	5-19	1.438
MAXIMUMS FOR PERIOD OF RECORD																
	5-24 1973	0.640	5-24 1973	0.565	5-24 1973	0.854	5-24 1973	0.997	5-24 1973	1.033	5-24 1973	1.064	5-19 1977	1.379	5-31 1973	2.539

Watershed Conditions: 100% is pasture or range. There are 6 farm ponds.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1967, USDA Misc. Put. 1262, page 69.21-6. Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1965, USDA Misc. Put. 1216, page 69.7-21.
Precipitation: Records began Jan. 1967. Thiessen weighted average of 6 rain gages.
Runoff: Records began Jan. 1967. STA AV values based on 11 yr beginning 1967.
Long-Term Precipitation: National Weather Service records at Chickasha, Oklahoma.

1968	DAILY PRECIPITATION (INCHES)					CHICKASHA, OKLAHOMA	WATERSHED 5146 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.14	0.0	0.15	0.0	0.71	1.72	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.0
3	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	1.18	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.01	0.08	0.0	0.0	1.40	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.0	1.12	0.0	0.0
6	0.04	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.10	0.0	0.10	0.52	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.87	0.0	0.0	0.0	0.0	0.94	0.0	0.0
10	0.0	0.0	0.12	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.14	0.0
11	0.05	0.0	0.32	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.10	0.0	0.29	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.06	0.0	0.0	0.36	0.0	0.55	0.34	0.0	0.0	0.0	0.0
14	0.0	0.17	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.30	0.0
15	0.0	0.0	0.0	0.0	0.07	0.12	0.02	0.80	0.04	0.0	1.19	0.0
16	0.0	0.0	0.0	0.0	0.0	0.36	0.0	0.0	0.0	0.18	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0
18	1.59	0.0	0.29	0.60	0.0	0.0	0.78	0.0	0.0	0.0	0.0	0.14
19	0.12	0.0	0.77	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.02	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.18	0.27	0.0	0.19	0.41	0.0	0.0	0.0	0.0	0.02	0.0	0.27
22	0.06	0.13	0.04	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.09	0.0	0.0	0.0
25	0.0	0.0	0.0	0.01	1.22	0.11	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.33	0.0
27	0.36	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.59
28	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.19	0.0
29	0.08	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.05		0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.09	0.0
31	0.0		0.0		0.46		0.05	0.03		0.0		0.0
TOTAL	2.55	1.25	2.12	2.00	4.42	2.31	3.42	1.36	3.52	2.26	4.29	1.05
STA AV	1.32	0.67	2.15	4.39	4.17	2.42	2.63	1.54	4.48	2.47	2.31	1.09

Gaging: Thiessen weighted average of 6 rain gages.
Station Averages: 2 yr beginning 1967.

1969	DAILY PRECIPITATION (INCHES)					CHICKASHA, OKLAHOMA	WATERSHED 5146 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.50	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	1.14	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.03	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.04	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.67		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.07		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	0.74	2.61	2.19	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STA AV	1.13	1.32	2.16	2.98	2.78	1.61	1.75	1.02	2.98	1.64	1.54	0.72

Gaging: Thiessen weighted average of 6 rain gages.
Station Averages: 3 yr beginning 1967.

1970 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.14	0.0	0.11	0.0	0.0	0.06	0.03	0.17	0.0
2	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.04	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.28	0.0	0.39	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.06	0.0	0.0
6	0.0	0.0	0.55	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0
7	0.0	0.01	0.11	0.0	0.0	0.0	0.0	0.0	0.03	0.33	0.0	0.0
8	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.16	0.03	0.0	0.09	0.0	0.0	0.0
12	0.0	0.0	0.02	0.0	0.0	0.0	0.85	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.65	0.0	0.88	0.0
14	0.0	0.0	0.0	0.0	1.28	0.0	0.0	0.0	0.62	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.29
16	0.0	0.0	0.49	0.28	0.0	0.0	0.0	0.0	0.37	0.03	0.0	0.0
17	0.10	0.0	0.01	0.05	0.0	0.0	0.0	0.0	0.40	0.16	0.0	0.0
18	0.01	0.0	0.02	0.13	0.0	0.0	0.0	1.06	0.0	0.0	0.0	0.0
19	0.0	0.0	0.12	0.0	0.0	0.0	0.0	1.22	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.13	0.33	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.09
22	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.12	4.78	0.49	0.0	0.0
23	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.03	0.0	0.0
24	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
26	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0
27	0.0	0.10	0.0	0.0	0.07	0.0	0.01	0.0	0.0	0.0	0.0	0.0
28	0.0	0.15	0.58	0.0	0.01	0.0	0.15	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.30	1.91	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.03	1.05	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.08		0.0	0.0		0.0		0.0
TOTAL	0.11	0.76	2.00	2.27	3.87	1.14	1.81	2.42	7.24	2.84	1.05	0.38
STA AV	0.87	1.18	2.12	2.80	3.05	1.49	1.77	1.37	4.05	1.94	1.42	0.64

Gaging: Thiesser weighted average of 6 rain gages.
Station Averages: 4 yr beginning 1967.

1971 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.99	0.0	0.0	0.0	0.0	0.03
2	0.16	0.0	0.07	0.0	0.0	1.08	0.01	0.0	0.0	3.21	0.0	0.48
3	0.47	0.0	0.0	0.0	0.02	0.81	0.0	0.0	0.0	0.17	0.0	0.15
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.10	0.0	0.0	0.0
7	0.0	0.03	0.0	0.0	0.0	1.09	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.83	0.0	0.09	0.04	0.42
9	0.0	0.0	0.0	0.0	0.63	0.25	0.01	0.0	0.0	0.0	0.0	0.17
10	0.0	0.0	0.0	0.0	0.01	0.23	0.0	0.02	0.0	0.0	0.0	0.19
11	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.16	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.12	0.0	0.0	0.0	1.47
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.01
16	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.26	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	1.25	0.03	0.16	0.0
18	0.0	0.19	0.0	0.0	0.10	0.0	0.0	0.0	1.99	0.55	0.0	0.0
19	0.0	0.0	0.0	0.20	0.0	0.0	0.02	0.0	0.09	0.53	0.0	0.0
20	0.0	0.0	0.0	0.11	0.0	0.26	0.0	0.0	0.0	0.10	0.0	0.0
21	0.0	1.48	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.04	0.0	0.0	0.13	0.0	0.0	0.0	0.34	0.0
23	0.0	0.0	0.0	0.0	1.15	0.0	0.90	0.0	0.24	0.0	0.07	0.0
24	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	1.69	0.0	0.0	0.0
25	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0
26	0.0	0.0	0.0	0.07	0.78	0.0	0.0	0.0	0.0	0.73	0.0	0.0
27	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.02	0.0	0.0	0.0	0.01	0.73	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.25	0.0	0.05	0.0	0.05	0.0	0.0	0.0	0.39
30	0.0		0.0	0.0	0.28	0.0	0.0	0.0	0.0	0.03	0.04	0.0
31	0.0		0.0		0.87		0.0	0.0		0.0		0.0
TOTAL	0.63	1.79	0.15	0.95	4.04	4.91	2.79	3.05	5.51	5.44	0.65	3.48
STA AV	0.82	1.30	1.73	2.43	3.25	2.18	1.97	1.71	4.34	2.64	1.26	1.21

Gaging: Thiesser weighted average of 6 rain gages.
Station Averages: 5 yr beginning 1967.

1972 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.04	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0
2	0.0	0.06	0.0	0.0	0.0	0.0	1.05	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.05	0.0	0.26	0.0	0.25	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03
6	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.09	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.24	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0
10	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.44	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.18
12	0.0	0.0	0.0	0.0	1.85	0.09	0.0	0.0	0.0	0.0	0.89	0.04
13	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.30	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.10	0.0	0.0
15	0.0	0.0	0.0	1.02	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.03
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.11	0.79	0.0
19	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.62	0.33	0.0	0.0	0.0	0.0	0.0	0.16	0.04	0.18
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.14	0.26	0.16	0.0
22	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.09	0.0	0.14	0.0	0.0
23	0.0	0.0	0.22	0.0	0.0	0.27	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.60	0.0	0.0	0.24	0.0
25	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.02	0.0
26	0.06	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
27	0.08	0.0	0.0	0.85	0.01	0.25	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.08	0.64	0.0	0.0	0.0	0.1	0.0	0.0	0.26
30	0.0		0.0	0.27	0.0	0.0	0.0	0.01	0.0	2.28	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		2.13		0.0
TOTAL	0.18	0.63	0.98	3.69	3.32	0.99	1.74	1.50	0.67	8.28	2.43	0.72
STA AV	0.72	1.19	1.59	2.64	3.26	1.98	1.93	1.67	3.73	3.58	1.46	1.13

Gaging: Thiesser weighted average of 6 rain gages.
Station Averages: 6 yr beginning 1967.

1973 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.11	0.0	0.0	0.59	0.0	0.0	0.48	0.0	0.0	0.0
2	0.37	0.0	0.0	0.35	0.0	1.83	0.0	0.0	0.0	0.0	0.0	0.0
3	0.77	0.0	0.19	0.04	0.0	0.0	0.0	0.0	1.37	0.18	0.0	0.11
4	0.0	0.0	0.0	0.0	0.0	1.61	0.0	0.0	0.27	0.37	0.0	0.0
5	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.66	0.21	0.0	0.0
6	0.32	0.0	1.19	0.0	0.69	0.0	0.0	0.0	1.46	0.11	0.05	0.0
7	0.19	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.01	0.0
8	0.0	0.0	0.16	0.37	0.0	0.0	0.0	0.0	0.22	0.0	0.03	0.0
9	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.36	0.0	0.0	0.0	0.0
10	0.0	0.0	1.06	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.85	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.01	0.47	0.0	0.0
13	0.0	0.0	0.24	0.12	0.0	0.06	0.31	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.06	0.0	0.17	0.03	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.86	0.0	0.0	0.0	0.89	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0
18	0.0	0.04	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.49	0.0	0.50	0.0	0.0	0.0	0.0	1.80	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.07	0.0
21	0.73	0.0	0.0	0.0	0.06	0.0	0.15	0.0	0.0	0.0	0.0	0.0
22	0.0	0.17	0.02	0.27	1.69	0.0	1.27	0.0	0.04	0.0	0.0	0.0
23	0.0	0.0	1.81	0.0	0.14	0.0	0.03	0.0	0.0	0.0	0.01	0.0
24	0.0	0.0	1.03	0.01	2.53	0.0	0.0	0.0	0.0	0.0	1.30	0.0
25	0.55	0.14	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.70	0.50	0.0	0.0
27	0.03	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.63	0.19	0.08	0.0
28	0.0	0.0	0.0	0.0	0.0	0.19	0.05	0.0	0.0	0.0	0.0	0.0
29	0.0		0.10	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.17	0.0	0.46	0.0	1.24	0.0	0.0	0.0	0.0	0.0
31	0.24		0.0		1.72		0.0	0.0		0.0		0.0
TOTAL	3.49	0.65	6.26	2.57	7.31	6.20	4.35	1.25	8.48	2.88	3.35	0.11
STA AV	1.11	1.11	2.25	2.63	3.84	2.58	2.28	1.61	4.41	3.48	1.73	0.96

Gaging: Thiesser weighted average of 6 rain gages.
Station Averages: 7 yr beginning 1967.

1974	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 5146 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.0	0.0	0.0	1.58	0.0	0.0	0.10	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.71	0.0	0.22	0.0
3	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.03	0.0	0.0	0.71	0.0
4	0.0	0.0	0.0	0.0	0.0	0.04	0.14	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
6	0.0	0.0	0.0	0.0	0.0	0.61	0.0	0.07	0.0	0.12	0.0	0.01
7	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.09	0.05	0.0
8	0.0	0.0	0.14	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
9	0.09	0.0	0.04	0.0	0.0	0.0	0.0	1.71	0.0	0.0	0.40	0.0
10	0.0	0.0	1.06	0.01	0.0	0.0	0.0	2.17	0.0	0.0	0.26	0.78
11	0.0	0.0	0.0	1.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.06	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.11	0.0	0.0
15	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.01	0.0	0.0	0.0
18	0.0	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.02	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0
20	0.0	0.74	0.35	0.01	0.0	0.0	0.0	0.0	0.18	0.0	0.0	0.0
21	0.0	0.64	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	1.18	0.82	0.0	0.0
25	0.0	0.0	0.0	0.0	1.09	0.0	0.0	0.0	0.18	0.46	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.14	0.0	0.0
27	0.01	0.0	0.0	0.03	0.0	0.0	0.0	0.41	0.0	0.07	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.91	0.0	0.0
29	0.0		0.0	3.01	0.0	0.0	0.28	0.0	0.0	0.0	0.06	0.0
30	0.0		0.0	0.06	0.0	0.0	0.0	0.0	0.0	2.23	0.0	0.16
31	0.0		0.0		0.63		0.0	0.0		0.26		0.21
TOTAL	0.13	1.68	1.78	4.60	3.51	0.92	0.42	4.78	3.64	5.36	1.70	1.50
STA AV	0.99	1.18	2.20	2.88	3.80	2.37	2.05	2.01	4.31	3.72	1.73	1.05

Gaging: Thiesser weighted average of 6 rain gages.
Station Averages: 8 yr beginning 1967.

1975	DAILY PRECIPITATION (INCHES)				CHICKASHA, OKLAHOMA	WATERSHED 5146 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.09	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0
2	0.83	0.31	0.0	0.0	0.46	0.0	0.0	0.71	0.0	0.0	0.17	0.0
3	0.0	0.29	0.0	0.0	0.01	0.0	0.64	0.0	0.0	0.0	0.0	0.0
4	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.27	0.08
6	0.0	0.0	0.0	0.0	0.0	0.79	0.0	0.0	0.0	0.0	0.06	0.0
7	0.0	0.0	0.0	0.77	0.0	0.03	0.33	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.36	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.36	0.0	0.0	0.41	0.02	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.01	1.04	0.80	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.16	0.0	0.14	0.0	0.0	0.0	0.50	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0
13	0.0	0.0	0.0	0.42	1.16	0.0	0.0	0.0	0.38	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.29	0.29	0.16	0.0	0.0
15	0.0	0.07	0.10	0.0	0.0	0.0	0.0	0.05	0.0	0.73	0.0	0.0
16	0.0	0.48	0.0	0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.08	0.05	0.0	0.56	0.0	0.67	0.01	0.0	0.0	0.0
18	0.0	0.0	0.28	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.35	0.0	0.13	0.0	0.0	0.0	0.80	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.11	0.0	0.0	0.0
22	0.0	0.59	0.0	0.01	3.22	0.80	0.0	0.0	0.0	0.0	0.0	0.03
23	0.0	0.0	0.0	0.0	0.60	0.85	0.0	0.0	0.0	0.0	0.0	0.10
24	0.04	0.0	0.0	0.0	0.0	0.0	1.72	0.0	0.0	0.0	0.0	0.59
25	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.18
26	0.0	0.0	0.21	0.0	0.0	0.0	0.55	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.66	0.32	0.10	0.0	0.02	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.18	0.0	0.84	0.0	0.81	0.0	0.0	0.0	0.0	0.08
29	0.0		0.0	0.75	0.59	0.0	0.0	0.0	0.0	0.0	0.04	0.06
30	0.84		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.11		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.91	2.07	2.03	2.34	7.86	5.16	5.09	1.72	1.75	1.04	1.34	1.12
STA AV	1.09	1.28	2.18	2.82	4.25	2.68	2.38	1.98	4.03	3.42	1.68	1.05

Gaging: Thiessen weighted average of 6 rain gages.
Station Averages: 9 yr beginning 1967.

1976 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBERG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0
4	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01	0.0	0.10	0.0	0.0
5	0.0	0.34	0.0	0.0	0.25	0.0	0.0	0.87	0.0	0.10	0.0	0.48
6	0.0	0.0	0.0	0.0	0.02	0.03	0.0	0.18	0.0	0.0	0.0	0.12
7	0.0	0.0	1.08	0.30	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
8	0.0	0.0	1.05	0.0	0.0	0.0	0.0	0.0	1.10	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.07	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0
12	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0	1.20	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.61	0.0	0.0	0.82	0.0	0.03	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
15	0.0	0.0	0.0	0.75	0.0	0.0	2.81	0.0	0.0	0.03	0.0	0.0
16	0.0	0.0	0.0	0.21	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.02	0.0	0.23	0.0	0.0	0.0	0.03	0.0	0.0
19	0.0	0.0	0.0	0.93	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.0
20	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.39	0.02	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.03	0.69	0.0	0.18	0.0	0.13	0.0	0.0
24	0.0	0.0	0.02	0.0	0.0	1.11	0.0	0.01	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.62	0.0	0.0	0.0	0.0	0.08	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.04	0.0	0.0
28	0.0	0.0	0.17	0.91	0.0	0.0	0.77	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.01	0.0	1.47	0.0	0.0
30	0.0		0.0	0.13	0.01	0.0	0.0	0.0	0.0	0.04	0.0	0.0
31	0.0		0.0		0.09		0.0	0.40		0.0		0.0
TOTAL	0.0	0.33	2.89	3.47	1.68	2.69	3.74	1.66	3.45	2.19	0.17	0.60
STA AV	0.98	1.19	2.25	2.88	3.99	2.68	2.52	1.95	3.97	3.30	1.53	1.01

Gaging: Thiesser weighted average of 6 rain gages.
Station Averages: 10 yr beginning 1967.

1977 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBERG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.24	0.0	0.47	0.07	0.0	0.0	0.04	0.03
2	0.0	0.01	0.15	0.0	0.28	0.0	0.0	0.0	0.0	0.0	0.04	0.0
3	0.0	0.05	0.0	0.0	0.82	0.0	0.0	0.0	0.0	0.0	0.03	0.0
4	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.03	0.54	0.0	0.06
5	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.11	0.03	0.0	0.0
6	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.0
9	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0
10	0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	1.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.08	0.02	0.0	0.0	0.0	0.01	0.0	0.0	0.17	0.0	0.0	0.0
13	0.08	0.0	0.0	0.01	0.40	0.0	0.0	0.03	0.38	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.42	0.34	0.0	0.03	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.24	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	2.81	0.0	0.0	0.60	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	1.70	2.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.01	0.03	0.0	0.06	0.0	0.0	0.0	0.0	0.0
22	0.02	0.06	0.0	0.05	0.0	0.22	0.0	0.0	0.0	0.51	0.0	0.0
23	0.05	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.03	0.37	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.12	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.11	0.36	0.0	0.66	0.18	0.01	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.51	0.0	0.47	0.0	0.15	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.02	0.0	0.0	1.29	0.01	0.0	0.01	0.0	0.07	0.0
29	0.0		0.0	0.17	0.0	0.01	0.07	0.28	0.01	0.0	0.0	0.05
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0
31	0.0		0.0		0.17		0.06	0.0		0.0		0.0
TOTAL	0.62	1.66	1.34	2.65	9.40	2.85	0.86	1.10	0.74	1.52	1.04	0.14
STA AV	0.95	1.23	2.17	2.86	4.48	2.70	2.37	1.87	3.68	3.14	1.49	0.93

Gaging: Thiesser weighted average of 6 rain gages.
Station Averages: 11 yr beginning 1967.

1968	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5146 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.01	0.02	0.16	0.11	0.67	0.90	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.02	0.20	0.09	0.22	0.12	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.02	0.20	0.08	0.18	0.03	0.0	0.05	0.0	0.0	0.0
4	0.0	0.0	0.02	0.15	0.08	0.15	0.03	0.0	4.27	0.0	0.0	0.0
5	0.0	0.01	0.02	0.15	0.07	0.46	0.03	0.0	0.0	0.08	0.0	0.0
6	0.0	0.01	0.02	0.15	0.14	0.23	0.03	0.0	0.0	0.0	0.0	0.0
7	0.0	0.01	0.03	0.15	0.26	1.14	0.02	0.0	0.0	0.0	0.0	0.0
8	0.0	0.01	0.03	0.13	0.11	0.24	0.03	0.0	0.0	0.0	0.0	0.0
9	0.0	0.01	0.02	0.13	0.47	0.18	0.02	0.0	0.0	0.82	0.0	0.0
10	0.0	0.01	0.02	0.13	0.28	0.16	0.02	0.0	0.0	0.0	0.0	0.0
11	0.0	0.01	0.07	0.12	0.22	0.15	0.01	0.0	0.0	0.0	0.0	0.0
12	0.0	0.01	0.09	0.15	0.24	0.12	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.01	0.14	0.16	0.38	0.11	0.08	0.0	0.0	0.0	0.0	0.0
14	0.0	0.01	0.12	0.12	0.21	0.08	0.04	0.0	0.0	0.0	0.0	0.0
15	0.0	0.01	0.05	0.13	0.13	0.07	0.02	0.0	0.0	0.0	0.35	0.0
16	0.0	0.01	0.04	0.13	0.11	0.18	0.01	0.0	0.0	0.0	0.00	0.0
17	0.0	0.01	0.04	0.13	0.11	0.09	0.0	0.0	0.0	0.0	0.0	0.0
18	0.11	0.01	0.05	0.13	0.09	0.08	0.61	0.0	0.0	0.0	0.0	0.01
19	0.07	0.01	1.95	0.30	0.09	0.06	0.02	0.0	0.0	0.0	0.0	0.0
20	0.00	0.01	0.37	0.16	0.08	0.05	0.01	0.0	0.0	0.0	0.0	0.0
21	0.0	0.01	0.55	0.18	0.16	0.05	0.01	0.0	0.0	0.0	0.0	0.0
22	0.0	0.01	0.36	0.42	0.13	0.05	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.02	0.28	0.16	0.11	0.04	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.02	0.28	0.15	0.09	0.04	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.02	0.26	0.15	2.21	0.05	0.0	0.0	0.0	0.0	0.0	0.01
26	0.0	0.02	0.22	0.13	0.23	0.04	0.0	0.0	0.0	0.0	0.50	0.01
27	0.0	0.03	0.20	0.13	0.18	0.03	0.0	0.0	0.0	0.0	0.19	0.02
28	0.0	0.04	0.20	0.13	0.13	0.03	0.0	0.0	0.0	0.0	0.08	0.01
29	0.0	0.02	0.20	0.12	0.12	0.03	0.0	0.0	0.0	0.0	0.01	0.01
30	0.0		0.18	0.12	0.13	0.03	0.0	0.0	0.0	0.0	0.0	0.01
31	0.0		0.18		0.15		0.0	0.0		0.0		0.01
MEAN	0.0059	0.0124	0.1958	0.1592	0.2258	0.1672	0.0657	0.0	0.1442	0.0289	0.0376	0.0029
INCHES	0.006	0.011	0.190	0.149	0.219	0.157	0.064	0.0	0.135	0.028	0.035	0.003
STA AV	0.003	0.006	0.095	0.638	0.183	0.088	0.032	0.0	0.091	0.018	0.018	0.001

Station Averages: 2 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.03125.

1969	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5146 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.01	0.06	0.24	0.18	0.79	0.01	0.0	0.0	0.0	0.0	0.0
2	0.01	0.01	0.08	0.24	0.16	0.24	0.01	0.0	0.0	0.0	0.0	0.0
3	0.01	0.01	0.15	0.24	2.94	0.22	0.0	0.0	0.0	0.0	0.0	0.0
4	0.01	0.01	0.12	0.24	0.52	0.20	0.0	0.0	0.0	0.0	0.0	0.0
5	0.01	0.01	0.12	0.22	1.29	0.15	0.0	0.0	0.0	0.0	0.0	0.0
6	0.01	0.01	0.13	0.22	25.54	0.13	0.0	0.0	0.0	0.0	0.0	0.0
7	0.01	0.01	0.12	0.22	2.84	0.12	0.0	0.0	0.0	0.0	0.0	0.0
8	0.01	0.0	0.11	0.22	1.36	0.09	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.09	0.20	1.08	0.08	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.01	0.09	0.20	0.89	0.09	0.0	0.0	0.0	0.0	0.0	0.0
11	0.01	0.01	0.11	0.20	0.76	0.07	0.0	0.0	0.0	0.0	0.0	0.0
12	0.01	0.01	0.11	0.20	1.18	0.06	0.0	0.0	0.0	0.0	0.0	0.0
13	0.01	0.01	0.11	0.22	0.76	0.11	0.0	0.0	0.0	0.0	0.0	0.0
14	0.01	0.56	0.11	0.22	0.68	11.01	0.0	0.0	0.0	0.0	0.0	0.0
15	0.01	0.21	0.11	0.20	0.64	0.30	0.0	0.0	0.0	0.0	0.0	0.0
16	0.01	0.04	0.11	0.20	0.64	0.20	0.0	0.0	0.20	0.0	0.0	0.0
17	0.01	0.03	0.12	0.18	0.76	0.18	0.0	0.0	0.0	0.0	0.0	0.0
18	0.01	0.03	0.12	0.18	0.64	0.22	0.0	0.0	0.0	0.0	0.0	0.0
19	0.01	0.03	0.12	0.16	0.57	0.15	0.0	0.0	0.0	0.0	0.0	0.0
20	0.01	0.26	0.11	0.18	0.47	0.12	1.14	0.0	0.0	0.0	0.0	0.0
21	0.01	0.29	0.11	0.22	0.44	0.09	1.27	0.0	0.0	0.0	0.0	0.0
22	0.01	0.15	0.12	0.22	0.38	0.07	0.0	0.0	0.22	0.0	0.0	0.0
23	0.0	0.07	1.62	0.20	0.38	0.06	0.0	0.0	0.13	0.0	0.0	0.0
24	0.0	0.07	0.32	0.20	0.38	0.05	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.07	0.22	0.20	0.35	0.05	0.01	0.0	0.0	0.0	0.0	0.0
26	0.01	0.07	0.22	0.70	0.33	0.05	0.0	0.0	0.0	0.0	0.0	0.0
27	0.01	0.06	0.22	0.34	0.28	0.03	0.0	0.0	0.0	0.0	0.0	0.0
28	0.01	0.05	0.22	0.22	0.28	0.03	0.0	0.0	0.0	0.0	0.0	0.0
29	0.03		0.18	0.20	0.26	0.02	0.0	0.0	0.0	0.0	0.0	0.0
30	0.01		0.20	0.20	0.24	0.01	0.0	0.0	0.0	0.0	0.0	0.0
31	0.01		0.22		0.22		0.0	0.0		0.0		0.0
MEAN	0.0089	0.0751	0.1887	0.2293	1.5300	0.5001	0.0786	0.0	0.0184	0.0	0.0	0.0
INCHES	0.009	0.066	0.183	0.215	1.482	0.469	0.076	0.0	0.017	0.0	0.0	0.0
STA AV	0.005	0.026	0.124	0.497	0.616	0.215	0.047	0.0	0.066	0.012	0.012	0.001

Station Averages: 3 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.03125.

1970 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.01	0.00	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.52	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.01	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.52	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.26	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.16	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.00	3.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.41	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.01		0.0	0.0		0.0		0.0
MEAN	0.0	0.0	0.0001	0.0156	0.1412	0.0004	0.0001	0.0175	0.4813	0.0465	0.0	0.0
INCHES	0.0	0.0	0.000	0.015	0.137	0.000	0.000	0.017	0.451	0.045	0.0	0.0
STA AV	0.004	0.019	0.093	0.376	0.496	0.161	0.035	0.004	0.163	0.020	0.009	0.001

Station Averages: 4 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.03125.

1971 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.19	0.42	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	2.21	0.11	0.0	0.0	16.37	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	5.10	0.0	0.0	0.0	1.60	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.68	0.0	0.18	0.0	0.0	0.0	0.06
9	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.00
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0	8.21
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.71
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.00
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.27	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0
21	0.0	0.47	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.78	0.0	0.23	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0 1	0.0	3.74	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0
27	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.05	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
31	0.0		0.0		0.53		0.0	0.0		0.0		0.0
MEAN	0.0	0.0169	0.0	0.0	0.0430	0.3078	0.0257	0.0177	0.2697	0.5927	0.0	0.3024
INCHES	0.0	0.015	0.0	0.0	0.042	0.289	0.025	0.017	0.253	0.574	0.0	0.293
STA AV	0.003	0.018	0.075	0.301	0.405	0.187	0.033	0.007	0.181	0.131	0.007	0.059

Station Averages: 5 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.03125.

1972	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA		WATERSHED 5146 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.04	0.03	0.03	0.05	0.0	0.0	0.0	0.0	0.0	0.12	0.0
2	0.0	0.04	0.03	0.03	0.04	0.0	0.04	0.0	0.0	0.0	0.0	0.0
3	0.0	0.04	0.03	0.03	0.04	0.0	0.03	0.0	0.0	0.0	0.0	0.0
4	0.0	0.04	0.03	0.03	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.03	0.03	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.02	0.04	0.03	0.03	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.03	0.04	0.03	0.03	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.04	0.03	0.03	0.03	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.03	0.03	0.03	0.03	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.02	0.03	0.03	0.03	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.01	0.04	0.03	0.03	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.02	0.04	0.03	0.03	3.53	0.0	0.0	0.0	0.0	0.0	0.50	0.0
13	0.00	0.06	0.02	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.05	0.0
14	0.0	0.04	0.02	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.03	0.03	0.44	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.01	0.03	0.03	0.04	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.04	0.03	0.04	0.03	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.04	0.03	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0
19	0.03	0.03	0.03	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
20	0.03	0.03	0.12	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.03	0.03	0.04	0.05	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.0
22	0.03	0.03	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
23	0.03	0.02	0.04	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.02	0.03	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.03	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.03	0.03	0.03	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.03	0.03	0.03	1.86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.03	0.02	0.03	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.03	0.02	0.03	0.06	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.04		0.03	0.08	0.0	0.0	0.0	0.0	0.0	3.35	0.0	0.0
31	0.04		0.03		0.0		0.0	0.0		8.70		0.0
MEAN	0.0205	0.0331	0.0332	0.1161	0.1334	0.0	0.0023	0.0	0.0	0.4046	0.0253	0.0
INCHES	0.020	0.030	0.032	0.111	0.129	0.0	0.002	0.0	0.0	0.392	0.024	0.0
STA AV	0.006	0.020	0.067	0.269	0.359	0.156	0.028	0.006	0.151	0.175	0.010	0.049

Station Averages: 6 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.03125.

1973	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA		WATERSHED 5146 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.03	0.05	0.97	0.53	5.27	0.23	0.09	0.0	0.21	0.19	0.42
2	0.0	0.01	0.04	0.98	0.41	26.75	0.19	0.07	0.0	0.21	0.17	0.42
3	0.07	0.01	0.05	1.31	0.41	2.73	0.17	0.06	0.04	0.23	0.19	0.45
4	0.0	0.01	0.05	0.88	0.44	24.64	0.17	0.05	1.90	0.35	0.21	0.45
5	0.0	0.01	0.05	0.84	0.44	4.29	0.16	0.05	0.04	0.23	0.19	0.37
6	0.0	0.01	3.34	0.80	1.45	1.86	0.16	0.04	1.55	0.31	0.21	0.34
7	0.0	0.03	0.20	0.80	0.64	1.47	0.16	0.03	0.14	0.25	0.21	0.34
8	0.0	0.01	0.21	1.10	0.44	1.28	0.16	0.03	0.10	0.23	0.21	0.34
9	0.0	0.01	0.18	0.80	0.38	1.17	0.16	0.07	0.04	0.21	0.19	0.32
10	0.0	0.01	4.88	0.71	0.35	0.96	0.16	0.04	0.03	0.21	0.19	0.32
11	0.0	0.01	0.61	0.71	0.33	0.82	0.16	0.03	0.03	1.26	0.19	0.34
12	0.0	0.01	0.44	0.71	0.28	0.78	0.07	0.02	2.09	0.86	0.19	0.34
13	0.0	0.03	0.67	0.71	0.28	0.74	0.10	0.01	1.29	0.44	0.19	0.32
14	0.0	0.03	0.41	0.68	0.28	0.78	0.10	0.01	0.08	0.34	0.19	0.32
15	0.0	0.03	0.38	2.82	0.26	0.66	0.08	0.40	0.07	0.32	0.17	0.27
16	0.0	0.03	0.35	1.16	0.26	1.75	0.07	0.15	0.08	0.29	0.16	0.27
17	0.0	0.04	0.35	0.93	0.21	0.82	0.07	0.01	0.25	0.27	0.17	0.29
18	0.0	0.05	0.38	0.88	0.21	1.06	0.06	0.0	0.14	0.27	0.17	0.32
19	0.0	0.04	0.35	1.97	0.20	2.89	0.07	0.0	0.14	0.27	10.12	0.23
20	0.0	0.03	0.33	0.93	0.16	0.68	0.78	0.0	0.13	0.25	1.78	0.23
21	0.43	0.03	0.33	0.84	0.18	0.48	0.24	0.0	0.11	0.25	0.45	0.27
22	0.01	0.04	0.33	0.94	2.12	0.45	2.33	0.0	0.13	0.23	0.37	0.29
23	0.0	0.05	6.48	0.84	7.52	0.37	1.40	0.0	0.13	0.23	0.32	0.27
24	0.0	0.04	10.73	0.80	32.61	0.34	0.11	0.0	0.16	0.21	5.84	0.25
25	0.02	0.04	4.25	0.71	2.20	0.32	0.08	0.0	0.16	0.21	1.22	0.23
26	0.94	0.05	1.57	0.57	0.99	0.29	0.08	0.0	2.32	0.21	0.70	0.25
27	0.05	0.04	1.39	0.57	0.61	0.27	0.06	0.0	1.81	0.85	0.59	0.23
28	0.01	0.04	1.34	0.57	0.55	0.31	0.06	0.0	0.34	0.23	0.45	0.25
29	0.01		1.12	0.57	0.51	0.32	0.09	0.0	0.25	0.23	0.45	0.25
30	0.03		1.23	0.57	0.45	0.27	0.90	0.0	0.23	0.23	0.42	0.25
31	0.03		1.12		13.47		0.22	0.0		0.21		0.23
MEAN	0.0516	0.0276	1.3940	0.9226	2.2313	2.8269	0.2854	0.0377	0.4590	0.3262	0.8700	0.3055
INCHES	0.050	0.024	1.351	0.865	2.162	2.650	0.277	0.036	0.430	0.316	0.816	0.296
STA AV	0.012	0.021	0.251	0.354	0.617	0.512	0.063	0.010	0.191	0.195	0.125	0.085

Station Averages: 7 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.03125.

1974	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5146 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.15	0.14	0.17	0.17	11.51	0.11	0.0	0.0	0.0	0.0	0.01	0.06
2	0.17	0.13	0.17	0.18	2.41	0.11	0.0	0.0	0.0	0.0	0.03	0.06
3	0.17	0.11	0.17	0.17	0.97	0.10	0.0	0.0	0.0	0.0	0.78	0.04
4	0.17	0.11	0.15	0.15	0.72	0.11	0.0	0.0	0.0	0.0	0.04	0.02
5	0.20	0.14	0.15	0.15	0.61	0.10	0.0	0.0	0.0	0.0	0.01	0.02
6	0.20	0.11	0.15	0.17	0.57	0.55	0.0	0.0	0.0	0.0	0.01	0.03
7	0.20	0.11	0.15	0.17	0.51	0.15	0.0	0.0	0.0	0.0	0.01	0.04
8	0.20	0.11	0.15	0.14	0.45	0.11	0.0	0.0	0.0	0.0	0.01	0.04
9	0.17	0.11	0.17	0.17	0.42	0.07	0.0	1.23	0.0	0.0	0.03	0.02
10	0.17	0.11	2.20	0.18	0.39	0.06	0.0	4.74	0.0	0.0	0.05	0.01
11	0.17	0.11	0.45	2.49	0.34	0.06	0.0	0.0	0.0	0.0	0.01	0.11
12	0.17	0.13	0.28	0.32	0.32	0.05	0.0	0.0	0.0	0.0	0.03	0.05
13	0.17	0.13	0.24	0.26	0.30	0.05	0.0	0.0	0.0	0.0	0.02	0.04
14	0.17	0.11	0.24	0.20	0.28	0.04	0.0	0.0	0.0	0.0	0.01	0.04
15	0.17	0.11	0.22	0.22	0.26	0.03	0.0	0.0	0.0	0.0	0.02	0.04
16	0.17	0.11	0.20	0.22	0.26	0.02	0.0	0.0	0.0	0.0	0.02	0.03
17	0.15	0.11	0.22	0.22	0.22	0.03	0.0	0.0	0.0	0.0	0.02	0.04
18	0.13	0.19	0.24	0.22	0.18	0.03	0.0	0.0	0.0	0.0	0.02	0.04
19	0.13	0.13	0.20	0.22	0.17	0.01	0.0	0.0	0.0	0.0	0.02	0.04
20	0.13	0.14	0.29	0.22	0.17	0.01	0.0	0.0	0.0	0.0	0.02	0.04
21	0.11	1.34	0.26	0.20	0.18	0.01	0.0	0.0	0.0	0.0	0.01	0.04
22	0.14	0.22	0.27	0.18	0.17	0.01	0.0	0.0	0.0	0.0	0.02	0.04
23	0.13	0.20	0.24	0.18	0.14	0.0	0.0	0.0	0.0	0.0	0.02	0.04
24	0.14	0.15	0.20	0.17	0.15	0.0	0.0	0.0	0.01	0.0	0.02	0.04
25	0.14	0.18	0.22	0.17	0.78	0.0	0.0	0.0	0.01	0.0	0.03	0.03
26	0.15	0.18	0.22	0.17	0.22	0.0	0.0	0.0	0.0	0.0	0.03	0.04
27	0.14	0.18	0.22	0.17	0.17	0.0	0.0	0.0	0.0	0.0	0.03	0.04
28	0.14	0.17	0.22	0.15	0.14	0.0	0.0	0.0	0.0	0.30	0.04	0.04
29	0.14		0.18	13.27	0.11	0.0	0.0	0.0	0.0	0.0	0.04	0.04
30	0.14		0.18	5.31	0.10	0.0	0.0	0.0	0.0	7.56	0.05	0.04
31	0.14		0.18		0.23		0.0	0.0		0.43		0.10
MEAN	0.1571	0.1812	0.2776	0.8738	0.7567	0.0606	0.0	0.1928	0.0005	0.2673	0.0493	0.0438
INCHES	0.152	0.159	0.269	0.819	0.733	0.057	0.0	0.187	0.000	0.259	0.045	0.042
STA AV	0.030	0.038	0.253	0.412	0.631	0.455	0.055	0.032	0.167	0.203	0.115	0.079

Station Averages: 8 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.03125.

1975	MEAN DAILY DISCHARGE (CFS)				CHICKASHA, OKLAHOMA	WATERSHED 5146 NEAR MIDDLEBURG						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.08	0.27	0.35	0.40	0.31	0.91	0.38	0.22	0.02	0.03	0.04	0.05
2	1.00	0.30	0.31	0.35	0.46	0.82	0.35	1.54	0.01	0.02	0.06	0.06
3	0.20	0.49	0.31	0.35	0.46	0.70	0.69	0.41	0.01	0.03	0.05	0.06
4	0.16	0.74	0.33	0.35	0.31	0.59	0.65	0.22	0.01	0.03	0.05	0.06
5	0.15	0.35	0.33	0.35	0.31	0.55	0.40	0.19	0.01	0.03	0.06	0.07
6	0.15	0.31	0.33	0.35	0.31	0.84	0.33	0.16	0.01	0.03	0.06	0.06
7	0.16	0.31	0.28	0.88	0.26	1.60	0.40	0.13	0.01	0.03	0.06	0.06
8	0.15	0.31	0.28	0.70	0.24	1.39	0.33	0.11	0.01	0.02	0.06	0.06
9	0.12	0.26	0.40	0.43	0.22	1.99	0.28	0.10	0.01	0.01	0.06	0.06
10	0.11	0.31	0.35	0.40	0.21	11.20	1.79	0.09	0.01	0.02	0.05	0.06
11	0.11	0.31	0.40	0.38	0.24	1.23	0.47	0.08	0.02	0.02	0.06	0.06
12	0.11	0.26	0.35	0.38	0.22	0.96	0.28	0.06	0.05	0.01	0.06	0.06
13	0.11	0.26	0.31	0.54	1.22	0.82	0.24	0.06	0.03	0.01	0.04	0.06
14	0.11	0.26	0.31	0.43	1.01	0.78	0.22	0.13	0.08	0.01	0.05	0.06
15	0.11	0.26	0.33	0.40	0.40	0.66	0.21	0.08	0.04	0.11	0.06	0.06
16	0.12	0.36	0.35	0.38	0.28	0.66	0.19	0.08	0.05	0.02	0.06	0.06
17	0.12	0.35	0.35	0.38	0.26	2.39	0.18	0.45	0.04	0.03	0.06	0.06
18	0.11	0.33	0.46	0.35	0.22	0.66	0.18	0.10	0.04	0.03	0.06	0.06
19	0.11	0.31	0.35	0.31	0.29	0.55	0.18	0.07	0.04	0.04	0.16	0.06
20	0.11	0.33	0.35	0.31	0.31	0.49	0.18	0.06	0.06	0.04	0.09	0.07
21	0.11	0.31	0.35	0.31	0.22	0.46	0.13	0.05	0.09	0.04	0.07	0.06
22	0.11	0.85	0.33	0.33	18.63	1.47	0.12	0.04	0.07	0.04	0.07	0.07
23	0.12	0.43	0.33	0.35	12.41	5.64	0.09	0.04	0.03	0.04	0.07	0.07
24	0.13	0.40	0.28	0.31	1.63	1.12	0.53	0.03	0.03	0.04	0.07	0.05
25	0.13	0.38	0.28	0.31	1.12	0.78	0.33	0.03	0.04	0.04	0.07	0.12
26	0.13	0.35	0.33	0.28	0.91	0.66	0.62	0.04	0.04	0.06	0.06	0.10
27	0.12	0.35	1.09	0.36	0.84	0.59	0.44	0.06	0.04	0.05	0.06	0.09
28	0.12	0.35	0.43	0.31	2.34	0.49	2.24	0.06	0.04	0.05	0.06	0.08
29	0.12		0.40	0.83	2.77	0.46	0.50	0.04	0.04	0.04	0.06	0.09
30	0.22		0.40	0.86	1.52	0.43	0.33	0.02	0.04	0.04	0.06	0.05
31	0.38		0.43		1.06		0.24	0.02		0.05		0.09
MEAN	0.1643	0.3604	0.3703	0.4221	1.6446	1.3964	0.4580	0.1540	0.0341	0.0341	0.0633	0.0697
INCHES	0.159	0.315	0.359	0.396	1.593	1.309	0.444	0.149	0.032	0.033	0.059	0.067
STA AV	0.044	0.069	0.265	0.411	0.738	0.550	0.099	0.045	0.152	0.184	0.109	0.078

Station Averages: 9 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.03125.

1976	MEAN DAILY DISCHARGE (CFS)					CHICKASHA, OKLAHOMA	WATERSHED 5146 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.08	0.06	0.06	0.08	0.12	0.02	0.0	0.0	0.0	0.0	0.0	0.0
2	0.07	0.06	0.06	0.08	0.11	0.01	0.0	0.0	0.0	0.0	0.0	0.0
3	0.07	0.06	0.06	0.08	0.10	0.01	0.0	0.0	0.0	0.0	0.0	0.0
4	0.07	0.06	0.06	0.08	0.10	0.01	0.0	0.0	0.0	0.0	0.0	0.0
5	0.08	0.06	0.06	0.08	0.10	0.0	0.0	0.04	0.0	0.0	0.0	0.0
6	0.08	0.06	0.06	0.08	0.12	0.0	0.0	0.03	0.0	0.0	0.0	0.0
7	0.08	0.06	0.10	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.08	0.06	0.51	0.08	0.10	0.0	0.0	0.0	0.00	0.0	0.0	0.0
9	0.07	0.06	0.27	0.06	0.09	0.0	0.0	0.0	0.01	0.0	0.0	0.0
10	0.07	0.06	0.16	0.06	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.07	0.06	0.13	0.06	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.08	0.06	0.12	0.06	0.09	0.0	0.0	0.0	0.15	0.0	0.0	0.0
13	0.07	0.06	0.10	0.06	0.09	0.01	0.0	0.0	0.28	0.0	0.0	0.0
14	0.06	0.06	0.10	0.06	0.07	0.02	0.0	0.0	0.0	0.0	0.0	0.0
15	0.06	0.06	0.10	0.12	0.06	0.0	2.44	0.0	0.0	0.0	0.0	0.0
16	0.06	0.06	0.10	0.13	0.06	0.0	0.61	0.0	0.0	0.0	0.0	0.0
17	0.06	0.06	0.09	0.09	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.06	0.06	0.09	0.09	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.06	0.06	0.09	0.58	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.06	0.06	0.08	0.19	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.06	0.05	0.07	0.15	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.06	0.05	0.07	0.12	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.06	0.05	0.08	0.11	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.06	0.06	0.08	0.10	0.03	0.98	0.0	0.0	0.0	0.0	0.0	0.0
25	0.06	0.06	0.09	0.09	0.03	0.00	0.0	0.0	0.0	0.0	0.0	0.0
26	0.06	0.06	0.08	0.09	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.06	0.06	0.07	0.09	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.06	0.06	0.08	0.36	0.03	0.0	0.03	0.0	0.0	0.0	0.0	0.0
29	0.06	0.06	0.15	0.15	0.02	0.0	0.00	0.0	0.0	0.0	0.0	0.0
30	0.06		0.08	0.13	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.06		0.08		0.02		0.0	0.0		0.0		0.0
MEAN	0.0661	0.0590	0.1074	0.1204	0.0654	0.0350	0.0995	0.0021	0.0149	0.0	0.0	0.0
INCHES	0.064	0.053	0.104	0.113	0.063	0.033	0.096	0.002	0.014	0.0	0.0	0.0
STA AV	0.046	0.067	0.249	0.381	0.671	0.498	0.098	0.041	0.138	0.166	0.098	0.070

Station Averages: 10 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.03125.

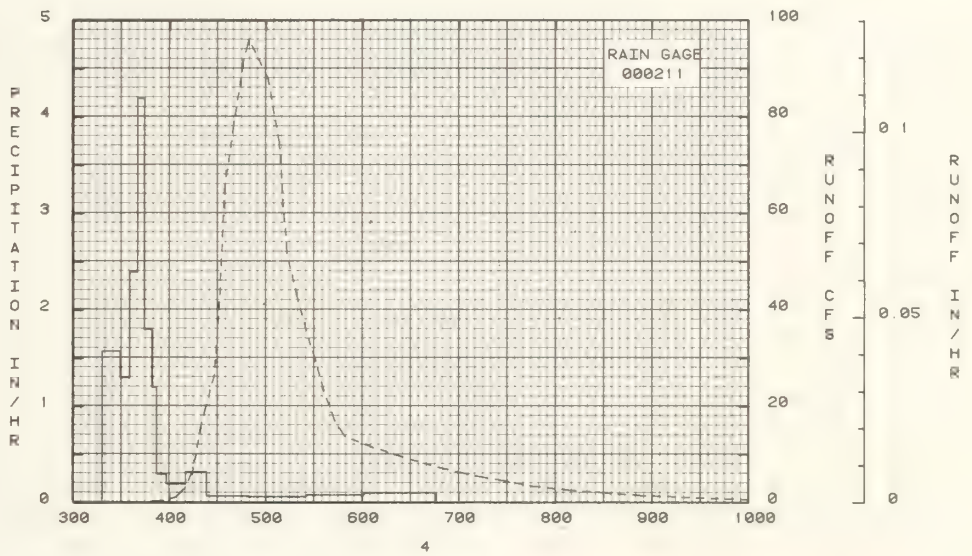
1977	MEAN DAILY DISCHARGE (CFS)					CHICKASHA, OKLAHOMA	WATERSHED 5146 NEAR MIDDLEBURG					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.06	0.00	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.96	0.05	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.28	0.04	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.34	0.03	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.20	0.02	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	15.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.16	27.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.18	1.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.07	0.14	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.11	2.41	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.08	0.07	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.10		0.0	0.0		0.0		0.0
MEAN	0.0	0.0	0.0	0.0111	1.5515	0.0987	0.0002	0.0	0.0	0.0	0.0	0.0
INCHES	0.0	0.0	0.0	0.010	1.503	0.093	0.000	0.0	0.0	0.0	0.0	0.0
STA AV	0.042	0.061	0.226	0.347	0.746	0.461	0.089	0.037	0.125	0.151	0.089	0.064

Station Averages: 11 yr beginning 1967.
Conversion Factor: CFS to IN/DAY, multiply by 0.03125.

1968 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 4, 1968							
RG 000211			RG 000211							
9- 4	0.0	0.004	9- 4	318	0.0	0.0	9- 4	304	0.130	0.0
				329	1.5818	0.29		340	0.240	0.0001
				335	1.3000	0.42		356	0.570	0.0003
				340	2.4000	0.62		404	1.310	0.0004
				344	4.2000	0.90		410	3.300	0.0007
WATERSHED CONDITIONS: 100% pasture or range.				349	1.8000	1.05		415	7.180	0.0013
				352	1.2000	1.11		419	15.290	0.0023
				358	0.3000	1.14		423	20.510	0.0038
				410	0.2000	1.18		428	26.690	0.0064
				423	0.3231	1.25		431	41.720	0.0086
				449	0.0692	1.28		434	64.830	0.0121
				525	0.0667	1.32		440	79.150	0.0215
				601	0.0833	1.37		446	92.070	0.0326
				646	0.1067	1.45		449	96.090	0.0387
								501	88.140	0.0627
								508	74.880	0.0751
								513	51.650	0.0820
								519	43.200	0.0882
								525	35.660	0.0933
								531	29.370	0.0975
								536	23.130	0.1004
								543	16.930	0.1034
								549	13.760	0.1054
								607	11.420	0.1103
								621	8.940	0.1136
								634	8.580	0.1162
								649	7.180	0.1188
								706	5.920	0.1212
								718	5.080	0.1226
								731	4.430	0.1240
								746	3.410	0.1252
								808	2.630	0.1267
								830	2.050	0.1278
								856	1.420	0.1288

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.



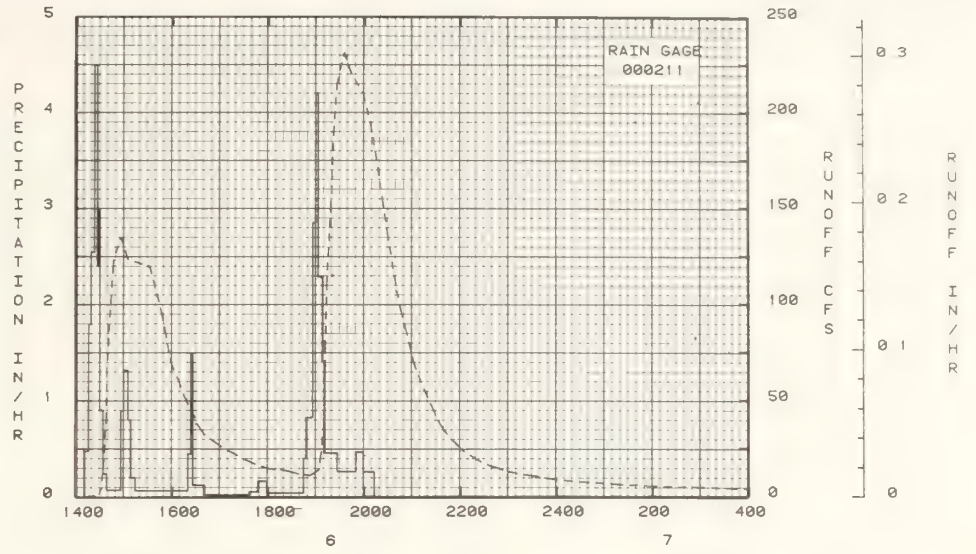
EVENT OF SEPTEMBER 4, 1968

CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 6 - 7, 1969							
RG 000211			RG 000211							
5- 6	0.0	0.008	5- 6	1410	0.0	0.0	5- 6	1413	0.380	0.0
				1415	0.4800	0.04		1423	0.720	0.0001
				1418	1.8000	0.13		1428	1.820	0.0003
				1422	2.5500	0.30		1431	4.810	0.0005
				1426	4.5000	0.60		1434	19.880	0.0013
WATERSHED CONDITIONS:										
100% pasture or range.				1427	2.4000	0.64		1437	40.270	0.0032
				1429	3.0000	0.74		1438	67.420	0.0044
				1433	0.9000	0.80		1443	105.330	0.0138
				1439	0.2400	0.82		1446	123.470	0.0212
				1455	0.0706	0.84		1455	135.220	0.0465
				1459	0.9000	0.90		1504	123.470	0.0717
				1504	1.3200	1.01		1531	119.700	0.1430
				1507	0.8000	1.05		1538	108.820	0.1604
				1513	0.2000	1.07		1546	95.280	0.1781
				1619	0.0636	1.14		1552	82.830	0.1897
				1623	0.4500	1.17		1558	69.410	0.1996
				1625	1.5000	1.22		1607	60.440	0.2123
				1640	0.1200	1.25		1615	51.650	0.2220
				1736	0.0214	1.27		1623	44.720	0.2304
				1747	0.0545	1.28		1631	37.460	0.2375
				1759	0.1636	1.31		1640	32.210	0.2443
				1844	0.0391	1.34		1651	28.980	0.2516
				1847	0.4000	1.36		1701	25.960	0.2576
				1855	0.8250	1.47		1713	23.130	0.2639
				1859	2.8500	1.66		1731	19.270	0.2722
				1902	4.2000	1.87		1743	16.930	0.2769
				1907	2.2800	2.06		1758	14.770	0.2821
				1910	1.4000	2.13		1819	13.760	0.2886
				1926	0.4500	2.25		1836	12.090	0.2934
				1949	0.2609	2.35		1851	10.980	0.2971
				1958	0.4667	2.42		1903	14.260	0.3004
				2012	0.2571	2.48		1906	23.470	0.3016
								1910	44.720	0.3046
								1911	81.350	0.3060
								1913	114.180	0.3102
								1918	154.090	0.3248
								1921	188.970	0.3359
								1925	214.690	0.3535
								1934	231.100	0.3970
								1943	220.070	0.4411
								1958	209.380	0.5110
								2007	193.950	0.5504
								2015	174.490	0.5823
								2022	154.090	0.6073
								2030	133.220	0.6322
								2037	114.180	0.6510
								2045	96.910	0.6694
								2051	87.370	0.6814
								2058	75.580	0.6937
								2104	66.120	0.7030
								2115	55.060	0.7174
								2125	45.740	0.7284
								2133	38.380	0.7357
								2143	32.210	0.7433
								2152	28.200	0.7492
								2204	23.130	0.7559
								2215	20.510	0.7611
								2225	18.070	0.7653
								2237	15.820	0.7697
								2252	13.760	0.7745
								2310	11.860	0.7795
								2336	10.140	0.7857
								2400	8.580	0.7906
							5- 7	19	7.860	0.7940
								40	7.180	0.7974
								113	6.220	0.8022
								156	5.350	0.8076

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.



EVENT CP MAY 6 - 7, 1969

CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

1969 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

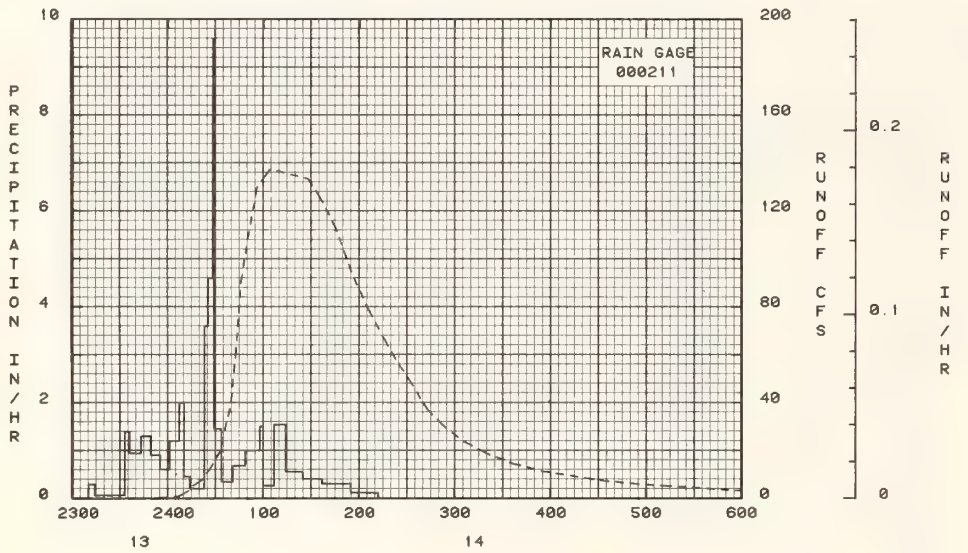
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT CF JUNE 13 - 14, 1969						
RG 000211				RG 000211						
6-13	0.33	0.002	6-13	2300	0.0	0.0	6-13	1625	0.090	0.0
				2310	0.0	0.0		1707	0.160	0.0001
				2314	0.3000	0.02		1733	0.280	0.0002
				2333	0.0632	0.04		1834	0.260	0.0006
				2336	1.4000	0.11		2001	0.220	0.0010
WATERSHED CONDITIONS:										
100% pasture or range.				2343	0.9429	0.22		2103	0.180	0.0013
				2349	1.3000	0.35		2307	0.180	0.0018
				2355	0.9000	0.44		2352	0.240	0.0020
			6-14	1	0.6000	0.50		2400	0.470	0.0021
				7	1.2000	0.62	6-14	7	1.030	0.0022
				10	2.0000	0.72		13	3.100	0.0024
				14	0.4500	0.75		16	5.350	0.0027
				23	0.2000	0.78		22	8.210	0.0036
				25	3.6000	0.90		26	11.860	0.0045
				28	4.6000	1.13		33	19.570	0.0069
				29	9.6000	1.29		36	28.590	0.0084
				34	1.4400	1.41		40	40.750	0.0114
				41	0.3429	1.45		43	62.920	0.0148
				49	0.6750	1.54		46	90.480	0.0198
				58	1.0000	1.69		51	111.480	0.0308
				100	1.5000	1.74		56	130.250	0.0439
				107	0.2571	1.77		104	137.240	0.0671
				114	1.5429	1.95		128	133.220	0.1375
				125	0.5455	2.05		137	123.470	0.1626
				137	0.4000	2.13		146	111.480	0.1856
				155	0.3000	2.22		155	94.470	0.2057
				212	0.1059	2.25		206	78.430	0.2263
				221	0.0	2.25		216	66.120	0.2420
								223	58.010	0.2514
								234	48.750	0.2639

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.

1969 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 13 - 14, 1969 (CONTINUED)							
							6-14	243	37.000	0.2721
								255	28.960	0.2807
								307	23.130	0.2875
								322	18.070	0.2942
								337	14.260	0.2995
								355	11.200	0.3044
								423	8.210	0.3103
								437	7.010	0.3126
								456	5.780	0.3153
								516	4.940	0.3176

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.



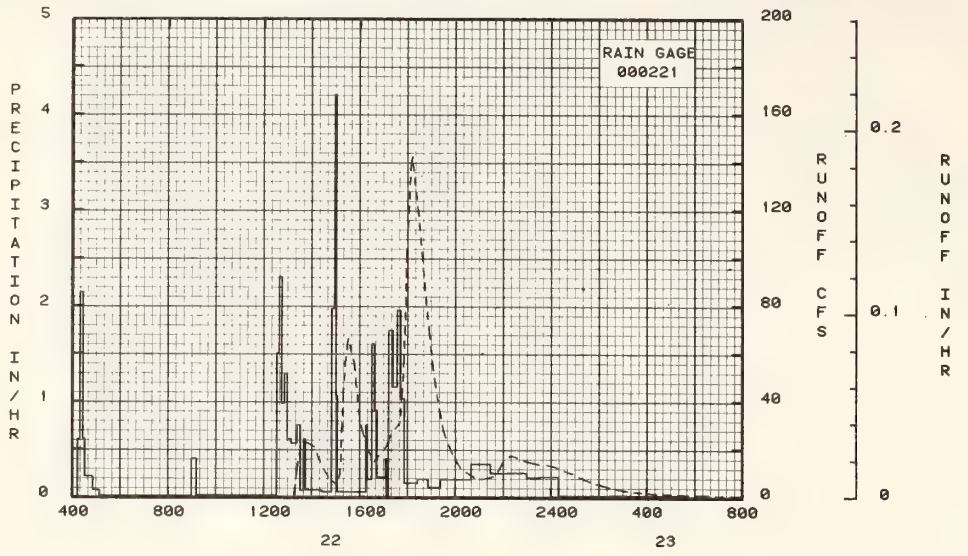
EVENT OF JUNE 13 - 14, 1969

CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

1970 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5146 NEAR FIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF SEPTEMBER 22 - 23, 1970							
	RG 000221			RG 000221						
9-22	0.0	0.006	9-22	413	0.0	0.0	9-22	1316	0.750	0.0
				419	0.6000	0.06		1319	4.950	0.0002
				426	2.1429	0.31		1322	9.330	0.0006
				431	0.6000	0.36		1325	14.750	0.0014
				451	0.2100	0.43		1333	20.830	0.0045
WATERSHED CONDITIONS: 100% pasture or range.				508	0.0706	0.45		1346	22.810	0.0107
				858	0.0104	0.49		1406	20.830	0.0201
				910	0.4000	0.57		1415	17.200	0.0239
				1232	0.0149	0.62		1430	11.400	0.0285
				1238	1.5000	0.77		1441	8.380	0.0309
				1248	2.3000	1.00		1449	6.840	0.0322
				1252	3.9750	1.13		1501	5.220	0.0338
				1259	1.2857	1.26		1510	8.750	0.0351
				1309	0.6000	1.38		1513	14.750	0.0359
				1323	0.5571	1.51		1516	31.070	0.0374
				1331	0.7500	1.61		1519	45.520	0.0399
				1340	0.0667	1.62		1523	55.530	0.0443
				1344	0.6000	1.66		1531	66.150	0.0548
				1426	0.0714	1.71		1546	55.530	0.0746
				1450	0.0500	1.73		1552	45.520	0.0812
				1457	1.9714	1.96		1558	35.810	0.0865
				1500	4.2000	2.17		1606	27.880	0.0920
				1504	1.0500	2.24		1619	20.200	0.0988
				1616	0.0500	2.30		1628	17.200	0.1025
				1620	0.7500	2.35		1638	14.750	0.1059
				1630	0.1800	2.38		1706	20.830	0.1168
				1636	1.6000	2.54		1719	26.000	0.1234
				1638	0.9000	2.57		1741	31.070	0.1370
				1644	0.9000	2.66		1746	42.450	0.1410
				1705	0.2000	2.73		1751	56.120	0.1463
				1708	0.4000	2.75		1755	77.230	0.1521
				1713	0.0	2.75		1758	103.540	0.1580
				1723	1.7400	3.04		1807	136.890	0.1815
				1734	1.1455	3.25		1811	142.140	0.1936
				1742	1.9500	3.51		1828	117.130	0.2414
				1752	1.0200	3.66		1838	98.400	0.2648
				1826	0.1412	3.76		1846	83.170	0.2806
				1852	0.1846	3.84		1855	68.820	0.2954
				1923	0.0968	3.89		1903	55.530	0.3062
				2041	0.1846	4.13		1911	45.520	0.3150
				2128	0.3447	4.40		1921	35.810	0.3238
				2212	0.2455	4.58		1931	27.500	0.3307
				2300	0.2500	4.78		1946	20.510	0.3385
				2331	0.1935	4.88		2003	14.750	0.3450
			9-23	19	0.2125	5.05		2013	12.070	0.3479
				231	0.0091	5.07		2030	9.920	0.3520
				536	0.0130	5.11		2048	8.020	0.3555
								2107	7.340	0.3586
								2136	8.570	0.3636
								2149	11.180	0.3664
								2201	14.750	0.3698
								2219	17.200	0.3760
								2258	14.750	0.3896
								2331	13.490	0.3997
								2400	13.010	0.4080
							9-23	55	9.520	0.4215
								137	6.370	0.4287
								228	3.740	0.4343
								313	2.390	0.4373
								408	1.450	0.4396
								528	0.750	0.4415

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.



EVENT OF SEPTEMBER 22 - 23, 1970

CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

1971 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

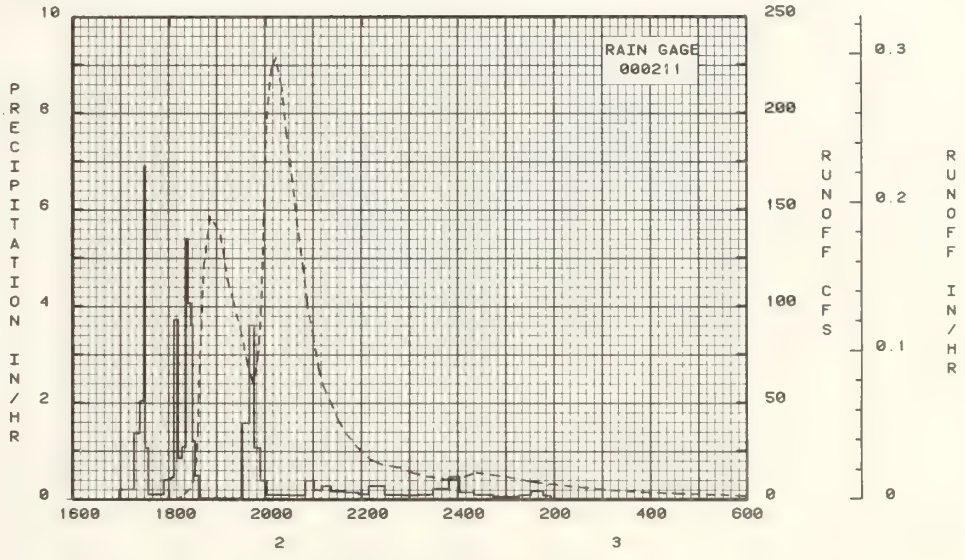
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF OCTOBER 2 - 3, 1971						
	RG 000211			RG 000211						
10- 2	0.08	0.0	10- 2	1658	0.0	0.0	10- 2	1733	0.0	0.0
				1716	0.2000	0.06		1743	0.030	0.0
				1723	1.3714	0.22		1810	0.290	0.0001
				1728	2.0400	0.39		1815	1.160	0.0002
				1730	6.8985	0.62		1819	2.710	0.0003
WATERSHED CONDITIONS:										
100% pasture or range.				1734	1.0500	0.69		1826	5.260	0.0009
				1753	0.0947	0.72		1830	9.420	0.0016
				1802	0.4000	0.78		1834	21.200	0.0029
				1806	0.4500	0.81		1836	35.390	0.0041
				1811	3.7200	1.12		1837	58.120	0.0052
				1816	0.8400	1.19		1840	89.220	0.0100
				1821	1.0800	1.28		1843	120.020	0.0168
				1823	5.3989	1.46		1851	146.460	0.0399
				1827	4.0500	1.73		1904	136.560	0.0798
				1829	3.6000	1.85		1913	113.210	0.1042
				1832	1.2000	1.91		1922	99.440	0.1250
				1837	0.4800	1.95		1931	84.370	0.1429
				1932	0.0109	1.96		1937	71.550	0.1531
				1940	1.5750	2.17		1945	60.030	0.1645
				1946	3.6000	2.53		1952	76.670	0.1749
				1954	1.0500	2.67		1955	100.320	0.1806
				2002	0.3750	2.72		1958	144.220	0.1886
				2032	0.0800	2.76		2001	193.210	0.1996
				2050	0.0667	2.78		2007	222.640	0.2267
				2101	0.3818	2.85		2013	228.550	0.2560
				2111	0.1800	2.88		2021	211.120	0.2942
				2122	0.2727	2.93		2026	190.550	0.3160
				2138	0.1500	2.97		2034	163.940	0.3468
				2156	0.1333	3.01		2040	140.900	0.3666
				2209	0.0923	3.03		2048	117.070	0.3890

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.

1971 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 2 - 3, 1971 (CONTINUED)							
			10- 2	2229	0.2700	3.12	10- 2	2053	98.560	0.4007
				2252	0.0783	3.15		2101	81.230	0.4163
				2310	0.0667	3.17		2107	67.330	0.4260
				2329	0.0947	3.20		2113	58.120	0.4342
				2349	0.2100	3.27		2121	50.320	0.4436
			10- 3	2	0.4615	3.37		2131	40.660	0.4534
				20	0.1333	3.41		2141	33.580	0.4615
				44	0.0750	3.44		2155	26.560	0.4706
				116	0.0375	3.46		2211	20.220	0.4788
				131	0.0800	3.48		2226	17.450	0.4849
				146	0.1600	3.52		2249	16.020	0.4932
				156	0.0600	3.53		2304	13.290	0.4980
								2322	11.540	0.5029
								2343	10.100	0.5078
								2400	9.930	0.5115
							10- 3	19	13.290	0.5163
								23	13.490	0.5174
								43	12.300	0.5230
								111	10.450	0.5300
								128	9.090	0.5336
								145	7.980	0.5367
								204	7.100	0.5398
								234	5.750	0.5440
								304	4.560	0.5474
								351	3.240	0.5513
								443	2.390	0.5545
								528	1.880	0.5566
								552	1.490	0.5575

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.



EVENT OF OCTOBER 2 - 3, 1971

CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

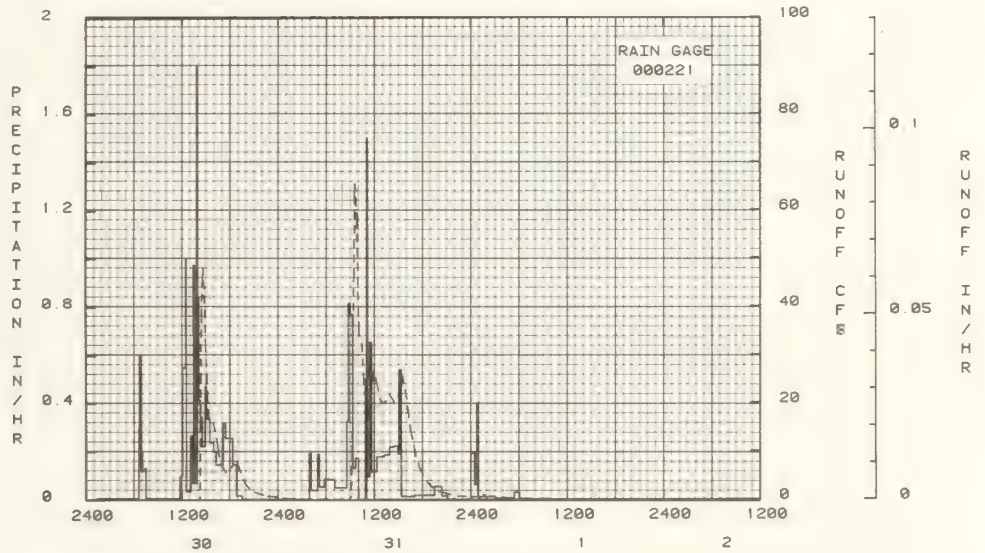
1972 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 30 - NOVEMBER 1 1972							
RG 000221			RG 000221							
10-30	0.0	0.0	10-30	122	0.0	0.0	10-30	1413	0.0	0.0
				637	0.0075	0.04		1416	0.680	0.0000
				641	0.3000	0.06		1418	16.930	0.0004
				646	0.6000	0.11		1422	24.870	0.0022
				656	0.1200	0.13		1428	39.790	0.0064
WATERSHED CONDITIONS:										
100% pasture or range.				702	0.2000	0.15		1434	46.790	0.0121
				722	0.1200	0.19		1438	48.380	0.0162
				731	0.1333	0.21		1452	39.320	0.0295
				1146	0.0047	0.23		1458	32.210	0.0342
				1204	0.1000	0.26		1506	25.590	0.0392
				1229	0.5520	0.49		1513	20.190	0.0427
				1232	1.0000	0.54		1522	16.650	0.0463
				1308	0.0333	0.56		1555	15.820	0.0579
				1317	0.2667	0.60		1610	14.260	0.0628
				1326	0.0667	0.61		1625	11.420	0.0670
				1334	0.9750	0.74		1640	8.950	0.0703
				1352	0.0667	0.76		1706	6.690	0.0747
				1400	1.8000	1.00		1730	5.630	0.0779
				1405	0.8400	1.07		1810	6.690	0.0833
				1418	0.4154	1.16		1825	7.510	0.0856
				1432	0.3429	1.24		1852	7.860	0.0901
				1451	0.2211	1.31		1922	5.630	0.0945
				1505	0.4714	1.42		1955	3.300	0.0977
				1530	0.3360	1.56		2026	2.280	0.0995
				1558	0.2357	1.67		2123	1.420	0.1018
				1616	0.2000	1.73		2213	0.940	0.1031
				1641	0.1440	1.79		2246	0.680	0.1037
				1710	0.1448	1.86		2400	0.500	0.1046
				1729	0.3158	1.96	10-31	37	0.280	0.1050
				1755	0.2538	2.07		210	0.130	0.1054
				1823	0.2571	2.19		415	0.040	0.1056
				1852	0.1448	2.26		621	0.020	0.1057
				1932	0.0150	2.27		734	0.060	0.1057
			10-31	355	0.0012	2.28		811	0.090	0.1058
				407	0.2000	2.32		855	0.260	0.1060
				455	0.0375	2.35		907	0.720	0.1061
				511	0.1875	2.40		911	5.350	0.1064
				546	0.0514	2.43		915	9.730	0.1070
				628	0.0857	2.49		919	23.130	0.1084
				705	0.0811	2.54		922	34.780	0.1103
				835	0.0467	2.61		928	47.840	0.1157
				846	0.3273	2.67		934	64.190	0.1230
				900	0.8143	2.86		937	65.470	0.1272
				918	0.7667	3.09		949	58.010	0.1433
				941	0.1304	3.14		1001	39.790	0.1560
				1002	0.1714	3.20		1008	33.910	0.1616
				1052	0.0	3.20		1028	32.210	0.1760
				1058	0.5000	3.25		1041	23.820	0.1839
				1104	0.0	3.25		1058	19.880	0.1919
				1110	1.5000	3.40		1113	17.210	0.1980
				1129	0.0947	3.43		1128	20.510	0.2041
				1140	0.6545	3.55		1143	23.130	0.2112
				1217	0.1135	3.62		1158	26.690	0.2193
				1314	0.1789	3.79		1234	22.460	0.2385
				1356	0.1657	3.92		1249	19.880	0.2454
				1429	0.2182	4.04		1331	20.510	0.2638
				1456	0.2222	4.14		1353	21.800	0.2739
				1512	0.1875	4.19		1428	20.190	0.2899
				1522	0.5400	4.28		1519	22.460	0.3135
				1704	0.0118	4.30		1531	25.590	0.3197
				1929	0.0166	4.34		1604	20.820	0.3364
				2025	0.0536	4.39		1619	16.930	0.3425
				2107	0.0143	4.40		1643	12.550	0.3502
				2400	0.0	4.40		1710	8.950	0.3565
			11- 1	28	0.1929	4.49		1740	6.370	0.3615
				48	0.0600	4.51		1804	5.080	0.3645
				54	0.4000	4.55		1843	3.200	0.3680
				304	0.0092	4.57		1918	2.370	0.3701
				523	0.0043	4.58		2015	1.490	0.3725
				604	0.0293	4.60		2130	0.940	0.3744

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.

1972 SELECTED RUNOFF EVENT					CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG				
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF OCTOBER 30 - NOVEMBER 1, 1972 (CONTINUED)							
							10-31	2223	0.680	0.3754
								2323	0.530	0.3762
								2400	0.470	0.3766
							11- 1	104	0.500	0.3772
								134	0.940	0.3777
								143	0.980	0.3779
								219	0.720	0.3786
								301	0.440	0.3791
								511	0.160	0.3799

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.



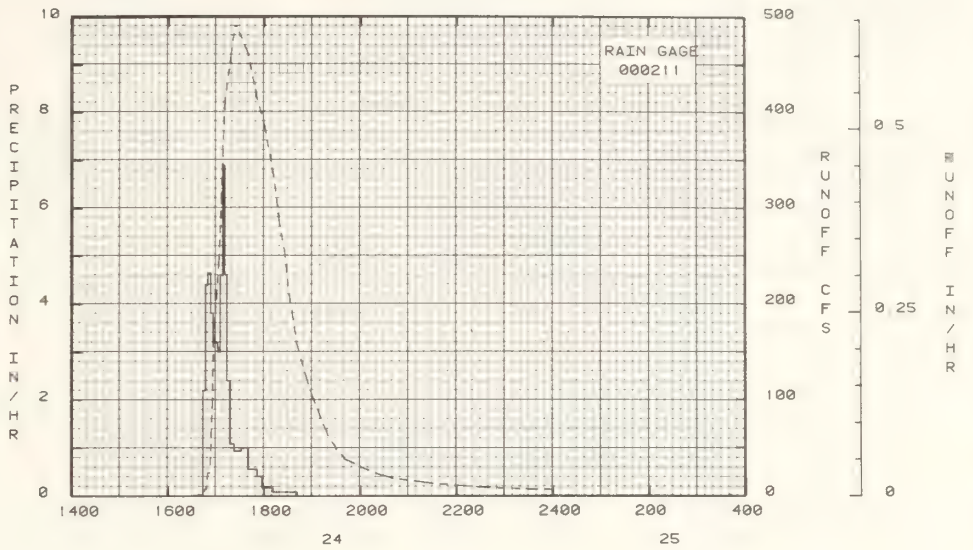
EVENT OF OCTOBER 30 - NOVEMBER 1, 1972

CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 24, 1973							
RG 000211			RG 000211							
5-24	0.0	0.011	5-24	1640	0.0	0.0	5-24	1630	0.390	0.0
				1643	0.0	0.0		1641	1.340	0.0002
				1646	2.2000	0.11		1645	5.380	0.0005
				1649	4.4000	0.33		1648	10.510	0.0010
				1653	4.6500	0.64		1649	24.180	0.0014
WATERSHED CONDITIONS:										
100% pasture or range.				1656	3.8000	0.83		1652	24.760	0.0030
				1659	3.2000	0.99		1655	85.450	0.0069
				1702	3.2000	1.15		1656	160.420	0.0097
				1705	3.0000	1.30		1700	207.840	0.0257
				1708	4.6000	1.53		1703	244.850	0.0404
				1710	6.9017	1.76		1706	309.418	0.0584
				1713	4.6000	1.99		1708	366.148	0.0731
				1717	2.4000	2.15		1711	416.350	0.0986
				1722	1.0900	2.24		1719	466.418	0.1754
				1731	0.9333	2.38		1723	491.260	0.2170
				1740	1.0000	2.53		1725	491.260	0.2384
				1751	0.5455	2.63		1740	459.469	0.3931
				1757	0.4000	2.67		1749	420.540	0.4790
				1811	0.1714	2.71		1800	385.750	0.5753
				1841	0.0800	2.75		1810	339.790	0.6540
								1815	309.418	0.6892
								1819	280.820	0.7149
								1825	255.470	0.7498
								1831	207.840	0.7799
								1836	183.170	0.8012
								1841	157.000	0.8196
								1852	123.340	0.8531
								1900	103.090	0.8727
								1910	81.260	0.8927
								1919	62.600	0.9068
								1930	47.950	0.9200
								1941	37.480	0.9302
								1952	33.310	0.9386
								2000	29.680	0.9441
								2010	25.300	0.9502
								2023	22.170	0.9570
								2040	17.890	0.9644
								2113	14.150	0.9759
								2130	12.480	0.9808
								2200	10.310	0.9882
								2216	9.310	0.9916
								2241	8.200	0.9964
								2331	6.590	1.0044
								2400	5.960	1.0083

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.



EVENT OF MAY 24, 1973

CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

1973 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

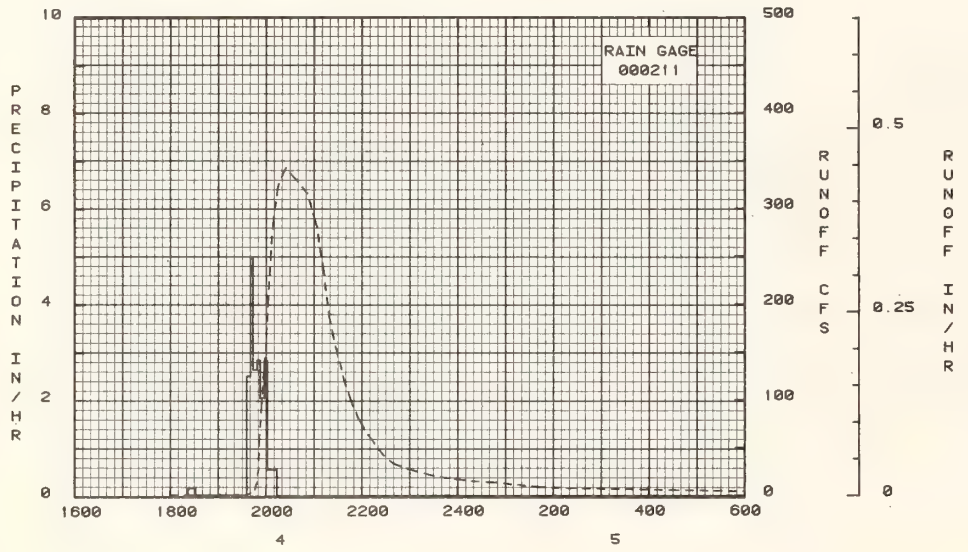
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 4 - 5, 1973							
RG 000211			RG 000211							
6- 4	0.0	0.044	6- 4	1822	0.0	0.0	6- 4	1800	1.660	0.0
				1832	0.1800	0.03		1822	1.660	0.0008
				1936	0.0281	0.06		1910	1.800	0.0026
				1941	2.5200	0.27		1937	2.110	0.0037
				1944	5.0012	0.52		1941	3.620	0.0040
WATERSHED CONDITIONS:										
100% pasture or range.				1949	2.6400	0.74		1946	7.340	0.0046
				1953	2.8500	0.93		1949	15.160	0.0053
				1958	2.0400	1.10		1951	30.470	0.0063
				2002	2.8500	1.29		1952	65.170	0.0073
				2014	0.5500	1.40		1955	100.500	0.0127
			6- 5	2	0.0026	1.41		2000	153.630	0.0265
								2003	209.200	0.0383
								2006	249.360	0.0533
								2010	292.378	0.0768
								2016	327.070	0.1171
								2025	343.479	0.1826
								2040	328.860	0.2920
								2052	316.398	0.3760
								2104	280.820	0.4538
								2113	230.160	0.5037
								2119	188.200	0.5310
								2125	163.890	0.5539
								2130	147.020	0.5707
								2140	114.780	0.5992
								2149	93.800	0.6195
								2156	80.520	0.6328
								2203	70.510	0.6442
								2216	54.670	0.6619
								2222	47.950	0.6686
								2228	41.770	0.6744

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.

1973 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 4 - 5, 1973 (CONTINUED)							
							6- 4	2240	33.480	0.6842
								2301	27.400	0.6981
								2330	20.890	0.7133
								2400	16.760	0.7255
							6- 5	49	13.660	0.7417

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.



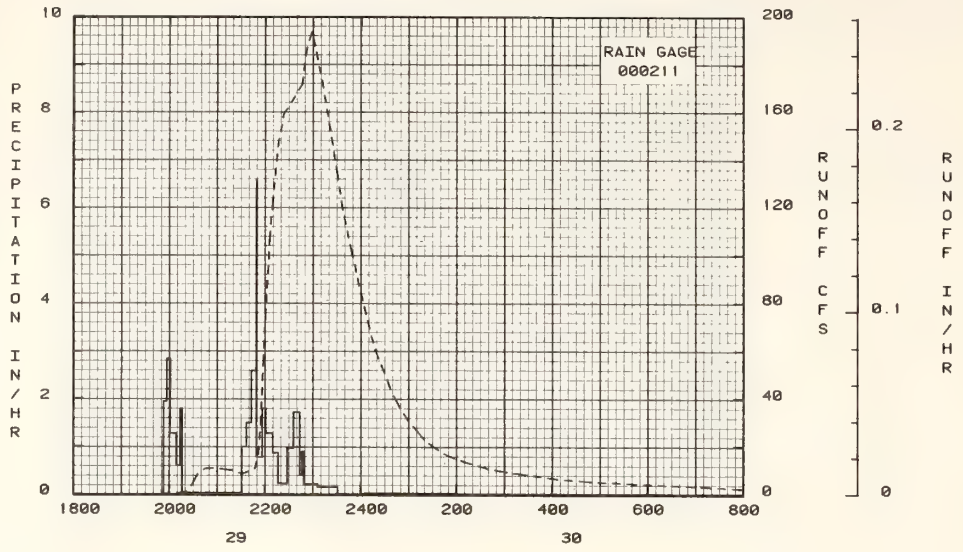
EVENT OF JUNE 4 - 5, 1973

CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

1974 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA — WATERSHED 5146 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF APRIL 29 - 30, 1974						
	RG 000211			RG 000211						
4-29	0.81	0.011	4-29	1953	0.0	0.0	4-29	1952	0.280	0.0
				1957	1.9500	0.13		2010	0.480	0.0002
				2001	2.8500	0.32		2022	1.120	0.0004
				2009	1.2750	0.49		2028	3.750	0.0007
				2014	0.6000	0.54		2036	8.640	0.0018
WATERSHED CONDITIONS:										
100% pasture or range.				2016	1.8000	0.60		2046	11.070	0.0039
				2131	0.0240	0.63		2119	10.020	0.0115
				2137	1.0000	0.73		2131	8.460	0.0139
				2143	1.5000	0.88		2148	10.860	0.0174
				2149	2.6000	1.14		2152	17.100	0.0186
				2150	6.6016	1.25		2155	29.730	0.0201
				2157	0.7714	1.34		2158	55.250	0.0229
				2201	1.8000	1.46		2201	77.510	0.0272
				2210	1.2667	1.65		2206	107.140	0.0373
				2217	0.8571	1.75		2210	124.710	0.0473
				2228	0.2182	1.79		2216	146.070	0.0649
				2236	0.9750	1.92		2223	159.220	0.0881
				2244	1.7250	2.15		2246	171.850	0.1708
				2247	0.4000	2.17		2252	167.640	0.1942
				2249	0.9000	2.20		2258	193.930	0.2190
				2306	0.2118	2.26		2311	173.070	0.2708
				2331	0.1440	2.32		2323	149.260	0.3128
			4-30	5	0.0	2.32		2330	134.620	0.3343
				41	0.0167	2.33		2337	118.980	0.3536
				159	0.0154	2.35		2348	101.930	0.3800
								2400	84.180	0.4042
							4-30	11	69.140	0.4225
								19	59.490	0.4337
								30	50.710	0.4468
								37	43.800	0.4540
								49	36.120	0.4644
								100	30.540	0.4724
								110	26.630	0.4786
								119	23.050	0.4834
								130	20.050	0.4886
								149	15.980	0.4960
								210	13.350	0.5027
								240	10.640	0.5105
								255	9.610	0.5138
								319	8.270	0.5185
								407	6.260	0.5261
								440	5.380	0.5302
								546	4.050	0.5370

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.



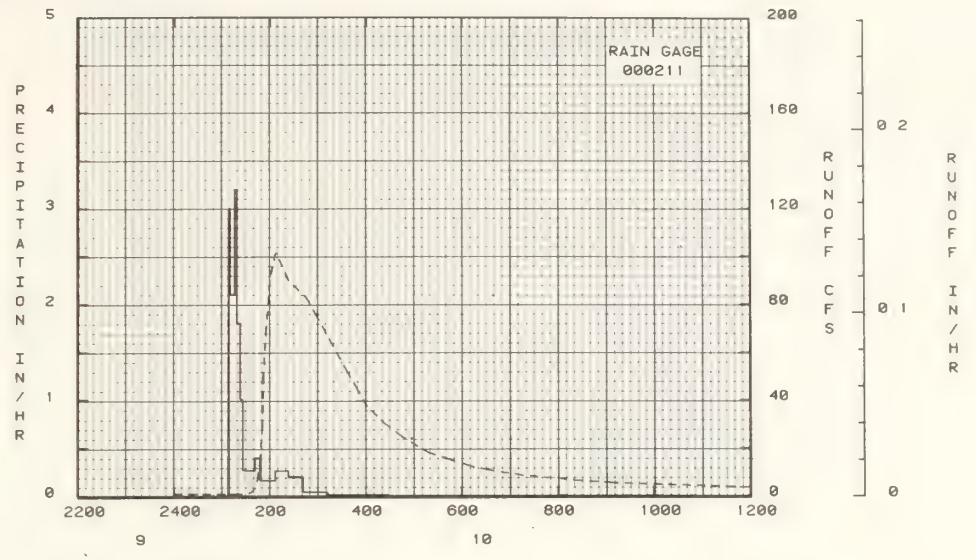
EVENT OF APRIL 29 - 30, 1974

CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

1975 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 9 - 10, 1975							
RG 000211			RG 000211							
6-10	0.0		6-10	108	0.0	0.0	6- 9	2400	1.010	0.0
6- 9		0.062		110	3.0000	0.10	6-10	125	0.960	0.0018
				116	2.1000	0.31		136	1.470	0.0021
				119	3.2000	0.47		141	3.350	0.0024
				123	1.8000	0.59		145	6.920	0.0028
WATERSHED CONDITIONS:										
100% pasture or range.				126	1.0000	0.64		148	14.330	0.0035
				142	0.2625	0.71		151	31.920	0.0050
				148	0.4000	0.75		152	48.920	0.0059
				207	0.1579	0.80		155	66.060	0.0097
				223	0.2625	0.87		200	89.760	0.0183
				241	0.2000	0.93		207	101.220	0.0328
				312	0.0387	0.95		208	101.220	0.0350
				428	0.0079	0.96		223	89.760	0.0661
								245	82.850	0.1073
								301	73.480	0.1344
								319	62.270	0.1609
								336	52.210	0.1821
								352	42.750	0.1985
								401	37.540	0.2064
								423	30.310	0.2226
								449	23.690	0.2378
								518	18.060	0.2510
								551	14.330	0.2626
								615	11.990	0.2694
								640	10.300	0.2755
								716	8.410	0.2828
								822	6.460	0.2934
								915	5.200	0.3001
								1200	3.460	0.3156

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.



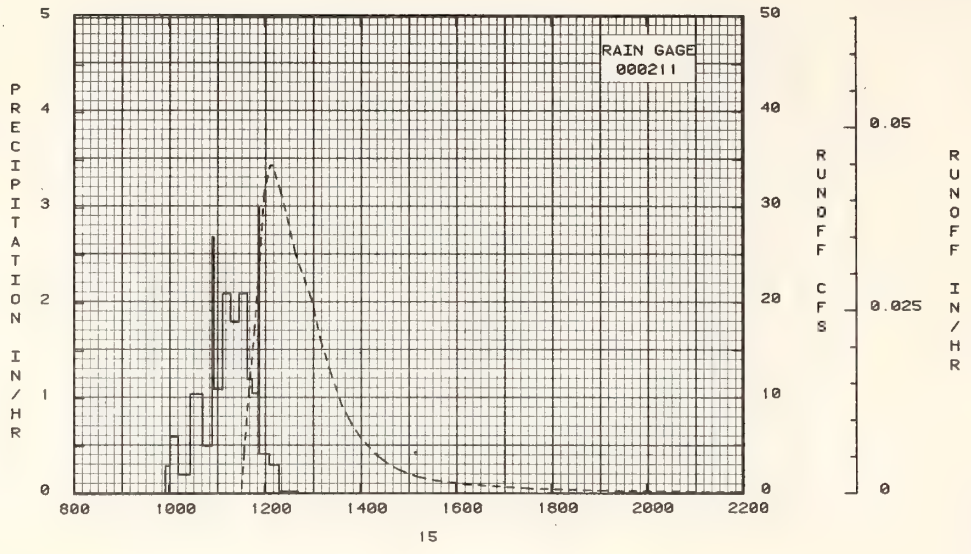
EVENT OF JUNE 9 - 10, 1975

CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

1976 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JULY 15, 1976							
RG 000211			RG 000211							
7-15	0.0	0.0	7-15	955	0.0	0.0	7-15	1121	0.0	0.0
				1001	0.3000	0.03		1126	0.030	0.0
				1011	0.6000	0.13		1131	0.620	0.0000
				1026	0.2000	0.18		1134	4.220	0.0002
				1042	1.0500	0.46		1141	11.340	0.0014
WATERSHED CONDITIONS:										
100% pasture or range.				1054	0.5000	0.56		1148	17.780	0.0036
				1056	2.7000	0.65		1155	26.140	0.0069
				1107	1.0909	0.85		1200	31.920	0.0101
				1117	2.1000	1.20		1207	34.440	0.0151
				1128	1.8000	1.53		1210	34.440	0.0174
				1138	2.1000	1.88		1222	31.110	0.0259
				1144	1.2000	2.00		1240	24.720	0.0368
				1152	1.0500	2.14		1300	20.130	0.0465
				1153	3.0000	2.19		1310	16.130	0.0505
				1206	0.4154	2.28		1322	12.890	0.0542
				1218	0.3000	2.34		1337	9.140	0.0578
				1242	0.0250	2.35		1349	7.230	0.0600
								1400	5.880	0.0615
								1421	3.960	0.0638
								1434	3.120	0.0648
								1449	2.420	0.0657
								1513	1.680	0.0667
								1533	1.350	0.0674
								1610	0.960	0.0683
								1737	0.460	0.0697
								1911	0.220	0.0704
								2100	0.100	0.0707
								2200	0.070	0.0708

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.



EVENT OF JULY 15, 1976

CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

1977 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

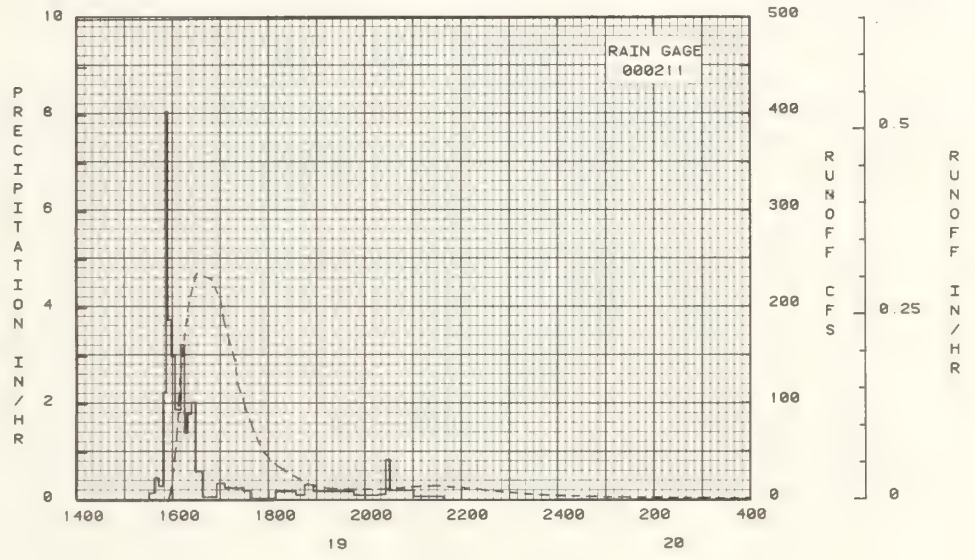
EVENT OF MAY 19 - 20, 1977

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
RG 0C0211				RG 000211						
5-19	0.0	0.0	5-19	1530	0.0	0.0	5-19	1541	0.0	0.0
				1537	0.1714	0.02		1549	0.070	0.0000
				1542	0.4800	0.06		1555	0.760	0.0001
				1548	0.3000	0.09		1558	14.150	0.0005
				1552	2.2500	0.24		1600	26.300	0.0014
WATERSHED CONDITIONS:										
100% pasture or range.				1554	8.1000	0.51		1603	47.850	0.0038
				1558	3.7500	0.76		1606	76.310	0.0079
				1603	3.0000	1.01		1608	112.930	0.0120
				1610	1.8857	1.23		1613	159.280	0.0268
				1615	3.2400	1.50		1619	198.530	0.0501
				1618	1.4000	1.57		1628	233.060	0.0922
				1623	1.8000	1.72		1631	235.970	0.1075
				1628	2.0400	1.89		1649	228.730	0.1982
				1637	0.6000	1.98		1700	207.840	0.2504
				1655	0.0667	2.00		1704	186.940	0.2675
				1705	0.3600	2.06		1710	168.580	0.2906
				1728	0.2609	2.16		1718	144.860	0.3179
				1737	0.2000	2.19		1722	119.490	0.3293
				1808	0.0387	2.21		1728	104.840	0.3439
				1834	0.1846	2.29		1733	91.360	0.3546
				1845	0.1091	2.31		1738	79.120	0.3638
				1856	0.3273	2.37		1749	57.800	0.3802
				1946	0.1800	2.52		1755	48.380	0.3871
				2016	0.1000	2.57		1810	35.860	0.4008
				2026	0.1200	2.59		1823	29.680	0.4101
				2031	0.8400	2.66		1831	25.230	0.4148
				2101	0.2000	2.76		1840	20.580	0.4193
				2138	0.0649	2.80		1848	17.040	0.4226
								1900	13.900	0.4266
								1916	11.800	0.4311

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.

1977 SELECTED RUNOFF EVENT					CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG				
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 19 - 20, 1977 (CONTINUED)							
							5-19	1940	10.930	0.4370
								2031	11.580	0.4494
								2101	13.900	0.4577
								2125	14.900	0.4652
								2225	10.310	0.4816
								2301	7.340	0.4885
								2319	5.940	0.4911
								2340	4.840	0.4936
								2400	3.970	0.4955
							5-20	40	2.820	0.4984
								122	2.130	0.5007

Conversion Factor: CFS to IN/HR, multiply by 0.00130217.



EVENT OF MAY 19 - 20, 1977

CHICKASHA, OKLAHOMA WATERSHED 5146 NEAR MIDDLEBURG

LOCATION: Grady County, Okla., northeast of Amber; tributary of West Bitter Creek, Washita River; Red River Basin.
GAGING STATION--At county road bridge, NE1/4 sec. 20, T. 8 N., R. 6 W., Lat. 35 deg. 09 min. 37 sec.; Long. 97 deg. 51 min. 06 sec.

AREA: 1657.00 acres 2.59 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) CHICKASHA, OKLAHOMA WATERSHED 515 NEAR AMBER

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	0.99	2.73	0.97	2.93	7.78	2.47	0.98	0.69	1.62	0.42	3.19	0.64	25.41
1978	Q	0.000	0.016	0.007	0.057	0.593	0.190	0.001	0.0	0.0	0.0	0.0	0.0	0.864
	P	1.37	0.62	2.67	2.80	5.04	5.65	4.98	2.37	0.66	1.52	1.16	0.75	29.59
1979	Q	0.021	0.004	0.030	0.050	0.485	1.014	0.840	0.037	0.013	0.005	0.014	0.019	2.532
STA AV	P	1.13	1.36	2.78	2.99	5.78	3.31	2.77	2.11	2.46	2.01	1.49	0.71	28.92
	Q	0.123	0.144	0.497	0.300	0.764	0.594	0.227	0.110	0.023	0.078	0.104	0.031	2.996

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	5-27	0.065	5-27	0.062	5-27	0.106	5-27	0.179	5-27	0.219	5-27	0.410	5-27	0.492	5-27	0.574
1979	7-16	0.098	7-16	0.089	7-16	0.152	7-16	0.370	7-16	0.503	6- 8	0.649	6- 8	0.767	6- 6	0.993
MAXIMUMS FOR PERIOD OF RECORD																
	6- 2	0.126	6- 2	0.114	6- 2	0.207	6- 2	0.459	6- 2	0.678	6- 2	0.865	6- 1	1.051	5-30	2.316
	1973		1973		1973		1973		1973		1973		1973		1973	

Watershed Conditions: The land use was sowed crop - 22%; row crop - 9%; timbered pasture - 6%; timber - 3%; pasture - 51%; farmsteads - 3%; farm ponds - 3%; farm roads - 2% and highways - 1%.
Maps: Topographic/Hydrologic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1973, USDA Misc. Pub. 1420, p. 69.028-8.
Precipitation: Records began Oct. 1961. Thiessen weighted average from rain gages 61, 231 and 232 on or near the watershed.
Runoff: Records began August 1972. STA AV values based on 6 yr beginning 1973.
Long-Term Precipitation: National Weather Service records at Chickasha, Oklahoma.

1978 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED 515 NEAR AMBER

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.04	0.04	0.0	0.30	0.04	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.02	0.0	1.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.33	0.0	0.39	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.28	0.03	0.68	0.0	0.0	0.04	0.0	0.14	0.0
6	0.0	0.04	0.0	0.0	0.0	0.62	0.0	0.0	0.0	0.0	0.20	0.0
7	0.0	0.14	0.70	0.0	0.02	0.08	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.29	0.0	0.0
9	0.0	0.12	0.0	1.29	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0
10	0.0	0.0	0.0	0.66	0.03	0.0	0.0	0.0	0.32	0.0	0.0	0.0
11	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	1.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0
15	0.20	0.05	0.01	0.01	0.0	0.0	0.26	0.0	0.0	0.0	0.61	0.0
16	0.29	0.11	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0
17	0.0	0.11	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.20	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	1.12	0.0	0.0	0.0	0.39	0.0	0.08	0.0
21	0.0	0.0	0.0	0.0	1.12	0.46	0.0	0.0	0.27	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.13	0.83	0.0
23	0.0	0.0	0.19	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0
24	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.50	0.0
26	0.0	0.0	0.0	0.0	0.94	0.0	0.0	0.04	0.0	0.0	0.28	0.0
27	0.0	0.12	0.0	0.0	2.86	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.03	0.0	0.08	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20
31	0.11		0.0		0.0		0.0	0.0		0.0		0.44
TOTAL	0.99	2.73	0.97	2.93	7.78	2.47	0.98	0.69	1.62	0.42	3.19	0.64
STA AV	1.09	1.49	2.80	3.02	5.91	2.92	2.41	2.07	2.76	2.09	1.55	0.71

Air Temperature: See table for Watershed W-522 (69.015) of this publication.
Gaging: Thiessen weighted average from rain gages 61, 231 and 232 on or near the watershed.
Station Averages: 6 yr beginning 1973.

1979 DAILY PRECIPITATION (INCHES) CHICKASHA, OKLAHOMA WATERSHED [illegible] NEAR AMBER

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	[illegible]	0.0	0.0	0.12	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	0.82	0.0	1.09	0.0	0.0	0.0	[illegible]	0.0	[illegible]	0.0
3	0.0	[illegible]	0.0	0.09	1.88	0.0	[illegible]	0.0	0.0	0.0	[illegible]	0.0
4	[illegible]	[illegible]	0.0	0.0	0.01	[illegible]	1.[illegible]	0.0	0.0	[illegible]	0.0	0.0
5	[illegible]	0.0	[illegible]	0.0	0.0	1.07	0.0	0.0	0.0	[illegible]	[illegible]	0.0
6	0.05	[illegible]	0.0	0.0	0.0	1.07	1.04	0.0	0.08	0.0	0.0	0.0
7	0.0	0.0	[illegible]	[illegible]	0.0	[illegible]	0.0	0.0	0.0	[illegible]	0.06	[illegible]
8	0.0	0.0	[illegible]	0.0	0.0	2.10	0.0	0.0	0.0	0.0	0.03	[illegible]
9	0.0	[illegible]	0.0	0.17	0.0	[illegible]	0.0	0.0	[illegible]	[illegible]	[illegible]	0.0
10	[illegible]	0.0	0.0	1.41	[illegible]	0.0	0.0	0.06	0.0	[illegible]	[illegible]	0.0
11	0.0	[illegible]	0.0	0.0	0.0	[illegible]	0.0	0.0	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	0.0	[illegible]	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]	[illegible]	0.17
13	0.0	0.0	[illegible]	0.11	0.0	0.0	[illegible]	0.0	0.0	[illegible]	[illegible]	0.0
14	0.0	[illegible]	[illegible]	[illegible]	0.0	0.0	0.0	[illegible]	[illegible]	[illegible]	0.0	0.0
15	0.0	0.0	[illegible]	[illegible]	0.0	[illegible]	0.0	0.19	0.0	0.05	[illegible]	[illegible]
16	0.0	0.03	[illegible]	[illegible]	[illegible]	0.0	2.42	0.0	[illegible]	0.0	0.0	0.0
17	[illegible]	0.0	[illegible]	0.0	0.0	0.0	0.03	0.0	0.0	0.38	[illegible]	0.0
18	0.83	0.0	[illegible]	0.53	0.09	0.08	0.06	0.0	[illegible]	0.0	0.0	[illegible]
19	0.0	0.0	0.22	[illegible]	0.0	[illegible]	0.0	0.21	0.0	[illegible]	[illegible]	[illegible]
20	0.0	0.0	[illegible]	[illegible]	1.45	0.04	[illegible]	[illegible]	0.0	[illegible]	[illegible]	[illegible]
21	0.0	[illegible]	0.0	0.0	0.22	0.11	0.0	0.10	[illegible]	0.31	0.17	[illegible]
22	0.0	0.0	1.33	0.0	0.0	0.0	[illegible]	0.19	0.0	0.0	0.0	[illegible]
23	[illegible]	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.24
24	0.0	[illegible]	0.0	0.0	0.0	[illegible]	[illegible]	0.0	0.0	0.0	0.0	[illegible]
25	[illegible]	[illegible]	0.0	0.0	0.0	0.47	0.0	0.0	0.0	[illegible]	0.0	[illegible]
26	[illegible]	0.0	0.0	[illegible]	0.05	0.0	0.0	[illegible]	0.0	0.0	0.0	[illegible]
27	0.0	0.0	0.0	0.32	0.0	0.0	[illegible]	0.09	0.0	0.0	0.0	0.18
28	[illegible]	0.0	[illegible]	0.05	0.24	0.0	0.0	[illegible]	[illegible]	[illegible]	0.0	0.11
29	0.04		0.0	0.0	0.0	0.0	0.0	0.22	0.10	[illegible]	0.0	0.05
30	[illegible]		[illegible]	0.0	0.0	0.0	[illegible]	0.0	[illegible]	0.78	0.0	[illegible]
31	0.0		0.0		0.0		0.25	1.12		0.0		[illegible]
TOTAL	1.37	0.62	2.67	2.80	[illegible]	5.65	4.98	2.37	0.66	1.52	1.16	0.75
STA AV	1.13	1.36	2.78	2.99	5.78	3.31	2.77	2.11	2.46	2.01	1.49	0.71

Air Temperature: See table for Watershed W-522 (69.015) of this publication.
Gaging: Thiesser weighted average from rain gages 61, 231 and 232 on or near the watershed.
Station Averages: 7 yr beginning 1973.

1978 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 515 NEAR AMBER

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.040	0.010	0.010	0.375	0.010	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.050	0.010	1.347	0.090	0.010	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.020	0.0	0.278	0.070	0.010	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.020	0.0	0.030	0.237	0.010	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.020	0.010	0.030	3.529	0.010	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.020	0.010	0.030	5.905	0.010	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.040	0.010	0.030	1.040	0.010	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.020	0.010	0.030	0.480	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.010	2.625	0.030	0.250	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.010	0.010	1.048	0.020	0.150	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.010	0.010	0.020	0.010	0.130	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.838	0.010	0.010	0.010	0.110	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.040	0.010	0.010	0.010	0.110	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.020	0.010	0.010	0.010	0.090	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.010	0.010	0.010	0.010	0.090	0.0	0.0	0.0	[illegible]	0.0	0.0
16	0.0	0.010	0.010	0.010	0.010	0.070	0.0	0.0	0.0	0.0	[illegible]	0.0
17	0.0	0.0	0.010	0.010	0.010	0.060	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.010	0.010	0.010	0.050	0.0	0.0	0.0	0.0	[illegible]	0.0
19	0.0	0.0	0.010	0.010	0.010	0.050	0.0	0.0	0.0	[illegible]	0.0	0.0
20	0.0	0.0	0.010	0.010	0.079	0.050	0.0	0.0				0.0
21	0.0	0.0	0.010	0.010	2.297	0.070	0.0	0.0	0.0	[illegible]	0.0	0.0
22	0.0	0.010	0.010	0.010	0.040	0.050	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.030	0.010	0.010	0.010	0.050	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.040	0.010	0.010	0.010	0.040	0.0	0.0	0.0	0.0	0.0	0.0
25	0.010	0.020	0.010	0.010	0.010	0.030	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.020	0.010	0.010	0.050	0.020	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.020	0.010	0.010	22.536	0.020	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.040	0.010	0.010	10.890	0.010	0.0	[illegible]	0.0	0.0	0.0	0.0
29	0.0		0.010	0.010	2.530	0.010	0.0	0.0	[illegible]	0.0	0.0	0.0
30	0.0		0.010	0.020	0.670	0.010	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.010		0.220		0.0	0.0		0.0		0.0
MEAN	0.0003	0.0399	0.0148	0.1318	1.3312	0.4415	0.0025	0.0	0.0	0.0	0.0	0.0
INCHES	0.000	0.016	0.007	0.057	0.593	0.190	0.001	0.0	0.0	0.0	0.0	[illegible]
STA AV	0.140	0.168	0.575	0.342	0.810	0.524	0.124	0.123	0.025	0.090	0.119	0.032

Station Averages: 6 yr beginning 1973.
Conversion Factor: CFS to IN/DAY, multiply by 0.01436430.
Notes: Discharge rating curve estimated for flows greater than 60 CFS.

1979 MEAN DAILY DISCHARGE (CFS) CHICKASHA, OKLAHOMA WATERSHED 515 NEAR AMBER

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.020	0.020	0.010	0.040	0.040	0.070	0.040	0.010	0.010	0.030
2	0.0	0.0	0.060	0.010	0.694	0.040	0.030	0.070	0.300	0.010	0.020	0.030
3	0.0	0.0	0.030	0.020	17.405	0.040	0.030	0.060	0.040	0.010	0.020	0.020
4	0.0	0.0	0.010	0.010	8.433	0.040	0.020	0.050	0.030	0.010	0.020	0.020
5	0.0	0.0	0.010	0.010	1.790	0.347	0.314	0.040	0.020	0.010	0.020	0.020
6	0.0	0.0	0.010	0.010	0.620	6.736	7.412	0.030	0.020	0.010	0.020	0.020
7	0.0	0.0	0.020	0.010	0.220	4.236	1.224	0.030	0.020	0.010	0.020	0.020
8	0.0	0.0	0.030	0.010	0.090	10.398	0.350	0.030	0.020	0.010	0.020	0.020
9	0.0	0.0	0.030	0.010	0.050	39.809	0.170	0.030	0.020	0.0	0.020	0.020
10	0.0	0.0	0.030	1.336	0.050	4.976	0.090	0.030	0.010	0.010	0.020	0.020
11	0.0	0.0	0.040	1.575	0.050	1.325	0.050	0.030	0.030	0.010	0.020	0.020
12	0.0	0.010	0.040	0.030	0.050	0.570	0.040	0.030	0.040	0.010	0.020	0.020
13	0.0	0.010	0.040	0.050	0.040	0.350	0.040	0.030	0.020	0.0	0.020	0.020
14	0.0	0.010	0.030	0.050	0.040	0.220	0.040	0.050	0.020	0.010	0.020	0.020
15	0.0	0.010	0.040	0.040	0.040	0.150	0.030	0.050	0.030	0.010	0.020	0.020
16	0.0	0.0	0.040	0.030	0.040	0.110	21.936	0.060	0.030	0.010	0.020	0.020
17	0.0	0.0	0.030	0.020	0.050	0.090	20.450	0.070	0.020	0.020	0.020	0.010
18	1.387	0.0	0.010	0.050	0.090	0.070	3.112	0.060	0.030	0.010	0.020	0.020
19	0.020	0.010	0.010	0.030	0.030	0.070	0.790	0.070	0.040	0.010	0.020	0.030
20	0.010	0.020	0.010	0.020	0.877	0.070	0.480	0.040	0.030	0.010	0.283	0.030
21	0.010	0.020	0.010	0.020	1.760	0.150	0.430	0.929	0.020	0.010	0.040	0.030
22	0.010	0.030	1.432	0.010	0.620	0.130	0.350	0.213	0.020	0.010	0.030	0.030
23	0.0	0.030	0.010	0.010	0.250	0.110	0.250	0.060	0.010	0.010	0.030	0.040
24	0.0	0.030	0.010	0.010	0.150	0.110	0.170	0.040	0.010	0.010	0.030	0.030
25	0.010	0.020	0.010	0.010	0.060	0.130	0.110	0.030	0.010	0.010	0.030	0.030
26	0.010	0.030	0.010	0.010	0.050	0.060	0.090	0.040	0.010	0.010	0.030	0.030
27	0.0	0.030	0.010	0.020	0.060	0.060	0.090	0.040	0.010	0.010	0.030	0.030
28	0.0	0.030	0.010	0.020	0.050	0.050	0.110	0.030	0.010	0.010	0.020	0.505
29	0.0		0.010	0.010	0.040	0.050	0.110	0.020	0.010	0.010	0.020	0.060
30	0.0		0.010	0.010	0.040	0.050	0.070	0.020	0.010	0.060	0.030	0.050
31	0.0		0.010		0.040		0.070	0.231		0.010		0.050
MEAN	0.0470	0.0104	0.0668	0.1157	1.0899	2.3529	1.8871	0.0834	0.0310	0.0113	0.0314	0.0424
INCHES	0.021	0.004	0.030	0.050	0.485	1.014	0.840	0.037	0.013	0.005	0.014	0.019
STA AV	0.123	0.144	0.497	0.300	0.764	0.594	0.227	0.110	0.023	0.078	0.104	0.031

Station Averages: 7 yr beginning 1973.
Conversion Factor: CFS to IN/DAY, multiply by 0.01436430.
Notes: Discharge rating curve estimated for flows greater than 60 CFS.

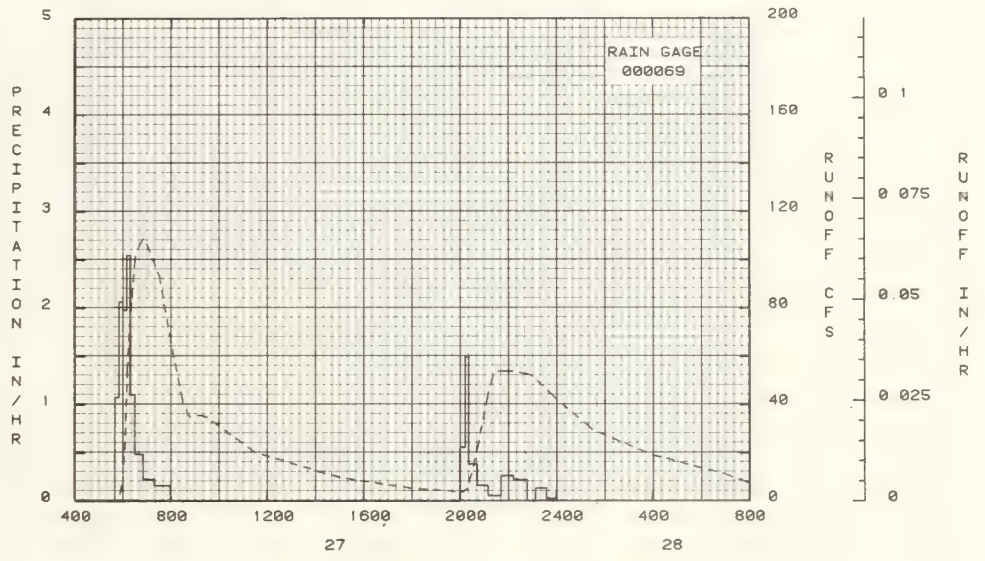
1978 SELECTED RUNOFF EVENT CHICKASHA, OKLAHOMA WATERSHED 515 NEAR AMBER

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF MAY 27 - 28, 1978										
RG 000069			RG 000069							
5-27	0.0	0.000	5-27	540	0.0	0.0	5-27	536	0.020	0.0
				550	1.0800	0.18		548	0.170	0.0000
				559	2.0667	0.49		553	3.580	0.0001
				609	1.9800	0.82		600	9.500	0.0006
				617	2.5500	1.16		606	27.560	0.0017
WATERSHED CONDITIONS:										
land use was sowed crop -				629	1.1000	1.38		611	57.530	0.0038
22%; row crop - 9%;				650	0.4857	1.55		618	76.190	0.0085
timbered pasture - 6%;				717	0.2222	1.65		630	101.810	0.0191
timber - 3%; pasture - 51%;				758	0.1610	1.76		641	106.610	0.0305
farmsteads - 3% and farm				2000	0.0	1.76		648	108.700	0.0381
ponds - 3%; farm roads -										
2% and highways - 1%.				2014	0.5571	1.89		700	105.920	0.0509
				2022	1.5000	2.09		730	93.140	0.0807
				2044	0.3818	2.23		800	65.700	0.1045
				2110	0.1615	2.30		830	40.360	0.1203
				2142	0.0562	2.33		848	34.680	0.1271
				2214	0.2625	2.47		911	35.770	0.1351
				2247	0.2182	2.59		930	34.680	0.1418
				2308	0.0	2.59		1130	20.170	0.1747
				2335	0.1333	2.65		1500	8.760	0.2060
				2400	0.0240	2.66		1800	5.190	0.2194
								2006	3.870	0.2251
								2018	5.190	0.2257
								2030	11.670	0.2267
								2048	25.250	0.2300
								2111	45.260	0.2381
								2123	52.560	0.2439
								2136	53.950	0.2508
								2211	53.950	0.2697
								2300	51.870	0.2955
								2400	42.160	0.3237

Conversion Factor: CFS to IN/HR, multiply by 0.00059851.

1978 SELECTED RUNOFF EVENT									CHICKASHA, OKLAHOMA WATERSHED 515 NEAR AMBER		
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF	MAY	27 - 28, 1978	(CONTINUED)				
							5-28	130	29.500	0.3558

Conversion Factor: CFS to IN/HR, multiply by 0.00059851.



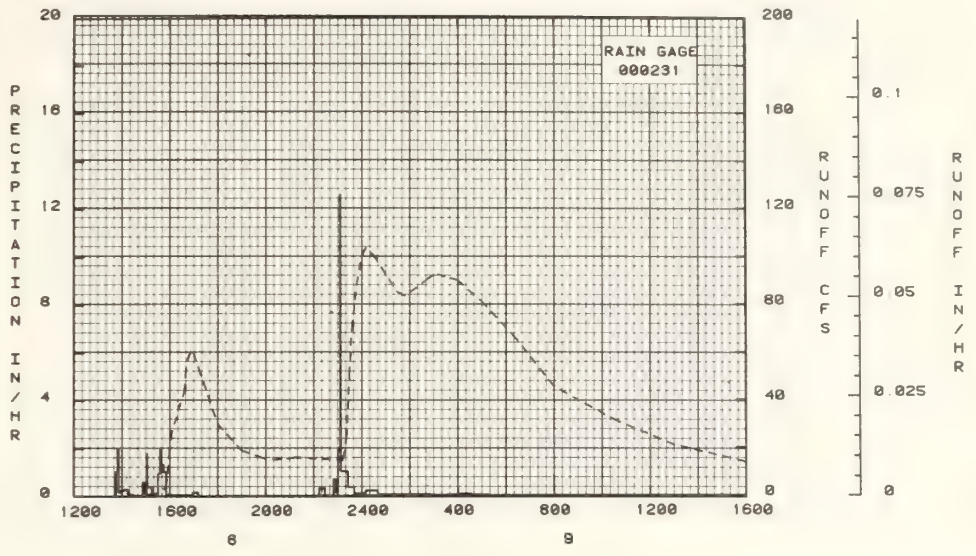
EVENT OF MAY 27 - 28, 1978

CHICKASHA, OKLAHOMA WATERSHED 515 NEAR AMBER

1979 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 515 NEAR AMBER

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 8 - 9, 1979							
RG 000231			RG 000231							
6- 8	0.0	0.011	6- 8	1345	0.0	0.0	6- 8	1500	0.790	0.0
				1349	1.0500	0.07		1530	1.350	0.0003
				1352	2.0000	0.17		1548	3.580	0.0008
				1359	0.1714	0.19		1553	7.150	0.0010
				1406	0.2571	0.22		1600	20.970	0.0020
WATERSHED CONDITIONS:										
land use was sowed crop -				1414	0.3000	0.26		1606	27.560	0.0035
22%; row crop - 9%;				1428	0.0857	0.28		1636	44.010	0.0142
timbered pasture - 6%;				1452	0.0250	0.29		1641	53.950	0.0166
timber - 3%; pasture - 51%;				1456	0.6000	0.33		1648	59.010	0.0205
farmsteads - 3% and farm				1501	0.1200	0.34		1653	60.500	0.0235
ponds - 3%; farm roads -										
2% and highways - 1%.				1504	1.8000	0.43		1700	59.750	0.0277
				1514	0.3500	0.49		1718	50.510	0.0376
				1530	0.0750	0.51		1800	29.990	0.0545
				1535	0.9600	0.59		1900	19.010	0.0691
				1539	1.9500	0.72		2000	15.410	0.0794
				1545	1.3000	0.85		2018	15.060	0.0822
				1551	1.0000	0.95		2111	16.100	0.0904
				1601	0.0600	0.96		2311	14.750	0.1089
				1656	0.0436	1.00		2318	19.010	0.1101
				1711	0.1600	1.04		2323	27.560	0.1112
				2213	0.0040	1.06		2330	53.950	0.1141
				2228	0.3200	1.14		2336	70.280	0.1178
				2249	0.0	1.14		2348	88.610	0.1273
				2255	0.7000	1.21		2400	100.450	0.1386
				2300	0.1200	1.22	6- 9	11	103.850	0.1498
				2306	1.9000	1.41		30	100.450	0.1692
				2307	12.6031	1.62		130	84.800	0.2246
				2316	1.0000	1.77		148	83.550	0.2397
				2325	1.0000	1.92		300	92.490	0.3030
				2341	0.3375	2.01		311	92.490	0.3131
			6- 9	10	0.0828	2.05		400	89.890	0.3577
				40	0.2200	2.16		500	81.060	0.4068
				129	0.0367	2.19		630	64.580	0.4742
				159	0.0400	2.21		800	45.260	0.5235
				249	0.0480	2.25		1030	31.510	0.5810
				334	0.0133	2.26				
				407	0.0364	2.28				
				433	0.0923	2.32				
				517	0.0273	2.34				

Conversion Factor: CFS to IN/HR, multiply by 0.00059851.



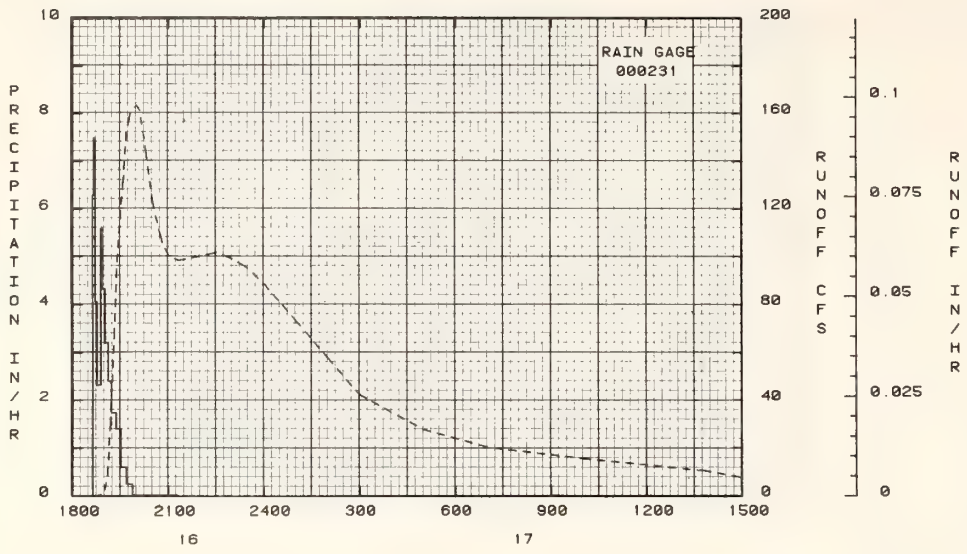
EVENT OF JUNE 8 - 9, 1979

CHICKASHA, OKLAHOMA WATERSHED 515 NEAR AMBER

1979 SELECTED RUNOFF EVENT — CHICKASHA, OKLAHOMA WATERSHED 515 NEAR AMBER

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JULY 16 - 17, 1979						
	RG 000231			RG 000231						
7-16	0.0	0.000	7-16	1838	0.0	0.0	7-16	1841	0.030	0.0
				1840	6.3015	0.21		1853	0.670	0.0000
				1842	7.4984	0.46		1900	2.900	0.0002
				1846	4.0500	0.73		1906	8.500	0.0005
				1853	2.3143	1.00		1911	29.990	0.0015
WATERSHED CONDITIONS:				1856	5.6000	1.28		1918	67.410	0.0049
Land use was scwed crop -				1901	4.3200	1.64		1923	95.110	0.0090
22%; row crop - 9%;				1907	3.2000	1.96		1930	119.390	0.0165
timbered pasture - 6%;				1913	2.4000	2.20		1936	134.300	0.0240
timber - 3%; pasture - 51%;				1922	1.7333	2.46		1941	152.350	0.0312
farmsteads - 3% and farm										
ponds - 3%; farm roads -										
2% and highways - 1%.				1931	1.4000	2.67		1948	160.500	0.0421
				1941	0.6000	2.77		2000	163.810	0.0615
				1953	0.2500	2.82		2006	161.320	0.0712
				2116	0.0217	2.85		2018	143.590	0.0895
			7-17	1648	0.0010	2.87		2030	123.040	0.1055
				1747	0.0	2.87		2048	105.920	0.1260
				1825	0.0316	2.89		2100	100.450	0.1384
								2118	98.430	0.1562
								2230	101.810	0.2281
								2300	99.110	0.2582
								2330	95.110	0.2872
								2400	88.610	0.3147
							7-17	100	73.210	0.3632
								200	57.530	0.4023
								300	42.160	0.4321
								500	27.560	0.4738
								700	20.170	0.5024
								1000	15.410	0.5344
								1400	10.020	0.5648
								1800	7.370	0.5856

Conversion Factor: CFS to IN/HR, multiply by 0.00059851.



EVENT CP JULY 16 - 17, 1979

CHICKASHA, OKLAHOMA WATERSHED 515 NEAR AMBER

LOCATION: [illegible] the Little Washita River [illegible] Caddo, Grady, and Stephens Counties; [illegible] Red River Basin. [illegible] Okla., [illegible] E., Bed. [illegible] Okla., [illegible] E., Bed. [illegible] Okla., [illegible] E., Bed

GENERALLY REPRESENTS: Mixed tributary watersheds of the Central Great Plains Winter Wheat and Range Region, specifically the Central Rolling Red Plains and the Central Rolling Red Prairies; and the Southwestern Prairies Cotton and Forage Region, specifically the Cross Timbers; land resource areas (H-78, 8 and J-89) in Kansas, Oklahoma, and Texas.

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — LITTLE WASHITA, OKLAHOMA — WATERSHED 526 NEAR CEMENT

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	2.13	0.61	2.55	2.50	8.73	4.90	1.57	0.97	0.09	0.29	0.80	3.80	28.94
1979	Q					1.344	0.994	0.142	0.056	0.043	0.044	0.075	0.149	
STA AV	P	2.13	0.61	2.55	2.50	8.73	4.90	1.57	0.97	0.09	0.29	0.80	3.80	28.94
	Q	0.0	0.0	0.0	0.0	1.344	0.994	0.142	0.056	0.043	0.044	0.075	0.149	2.845

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1979	5- 2	0.050	5- 2	0.049	5- 2	0.092	5- 3	0.225	5- 3	0.336	5- 3	0.444	5- 2	0.785	5- 2	1.044
MAXIMUMS FOR PERIOD OF RECORD																
	5- 2 1979	0.050	5- 2 1979	0.049	5- 2 1979	0.092	5- 3 1979	0.225	5- 3 1979	0.336	5- 3 1979	0.444	5- 2 1979	0.785	5- 2 1979	1.044

Watershed Conditions: Land use according to a 1984 survey (approximate percentages): 37.5% range, 21% poor range, 28.1% winter wheat, 2.5% summer crops, .1% bare soil, .6% water, 9.9% timber, .3% quarry/impervious.
Maps: Topographic/Hydrologic - See page 69.029-8 of this publication.
Precipitation: Records began Oct. 1961. Thiessen weighted average from 14 gages on the watershed.
Runoff: Records began April, 1979. STA AV values based on 1 yr beginning 1979.
Long-Term Precipitation: National Weather Service records at Chickasha, Oklahoma.

1979 DAILY PRECIPITATION (INCHES) — LITTLE WASHITA, OKLAHOMA — WATERSHED 526 NEAR CEMENT

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.96	0.0	1.91	0.0	0.0	0.0	0.05	0.0	0.0	0.0
3	0.0	0.0	0.0	0.13	3.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.57	0.74	0.0	0.0	0.0	0.0	0.0
6	0.06	0.46	0.0	0.0	0.0	0.93	0.08	0.0	0.03	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	2.70	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.06	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0
10	0.06	0.0	0.0	0.84	0.15	0.0	0.0	0.02	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26
13	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.15	0.04	0.0	0.0	0.0	0.18	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.11	0.36	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
18	1.50	0.0	0.14	0.08	0.26	0.0	0.10	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.06	0.0	0.0	0.0	1.19	0.02	0.0	0.44	0.01	0.0	0.68	0.0
21	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.05	0.0	0.20	0.12	0.0
22	0.0	0.0	0.78	0.0	0.04	0.0	0.0	0.10	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.43
24	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0
25	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.57	0.34	0.0	0.0	0.36	0.0	0.0	0.0	0.29
28	0.0	0.0	0.0	0.06	0.08	0.0	0.0	0.0	0.0	0.0	0.0	2.71
29	0.07		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11
30	0.0		0.0	0.0	1.42	0.0	0.07	0.0	0.0	0.09	0.0	0.0
31	0.0		0.0		0.0		0.30	0.0		0.0		0.0
TOTAL	2.13	0.61	2.55	2.50	8.73	4.90	1.57	0.97	0.09	0.29	0.80	3.80
STA AV	2.13	0.61	2.55	2.50	8.73	4.90	1.57	0.97	0.09	0.29	0.80	3.80

Air Temperature: See table for Watershed W-522 (69.015) of this publication.
Gaging: Thiessen weighted average from 14 rain gages on the watershed.
Station Averages: 1 yr beginning 1979.

1979 MEAN DAILY DISCHARGE (CFS) LITTLE WASHITA, OKLAHOMA WATERSHED 526 NEAR CEMENT

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	NR	NR	NR	NR	7.70	26.00	14.10	4.70	[illegible]	1.60	3.30	4.10
2	NR	NR	NR	NR	540.63	19.70	7.70	4.40	3.80	1.70	3.30	[illegible]
3	NR	NR	NR	NR	600.47	15.60	5.00	4.10	3.80	[illegible]	[illegible]	[illegible]
4	NR	NR	NR	NR	334.00	11.40	4.70	3.60	3.00	1.50	3.60	[illegible]
5	NR	NR	NR	NR	100.13	33.87	5.00	3.80	2.80	1.50	[illegible]	[illegible]
6	NR	NR	NR	NR	44.61	137.62	11.40	3.00	2.80	1.5[illegible]	3.30	[illegible]
7	NR	NR	NR	NR	31.70	105.64	8.50	2.30	3.00	1.30	[illegible]	[illegible]
8	NR	NR	NR	NR	24.20	64.97	7.00	2.10	[illegible]	1.30	3.60	7.[illegible]
9	NR	NR	NR	NR	20.20	563.91	6.70	2.10	2.30	2.10	4.10	[illegible]
10	NR	NR	NR	NR	18.60	120.29	6.00	1.90	2.10	1.30	4.10	4.10
11	NR	NR	NR	NR	16.60	67.49	5.30	1.90	1.90	1.50	[illegible]	4.10
12	NR	NR	NR	NR	14.60	43.61	5.00	1.90	1.90	1.30	3.80	[illegible]
13	NR	NR	NR	NR	12.70	27.90	5.00	2.10	1.90	1.50	3.80	[illegible]
14	NR	NR	NR	NR	11.80	21.90	4.40	1.90	1.90	1.30	4.10	21.28
15	NR	NR	NR	NR	12.70	17.60	4.10	2.10	1.70	1.70	[illegible]	19.14
16	NR	NR	NR	NR	11.80	15.10	4.10	3.30	1.70	2.10	3.00	10.90
17	NR	NR	NR	NR	11.80	13.20	7.00	2.30	1.70	2.30	3.00	9.30
18	NR	NR	NR	NR	12.30	11.40	8.90	1.70	1.50	2.80	5.30	7.70
19	NR	NR	NR	NR	12.70	10.50	8.50	5.20	1.50	[illegible]	[illegible]	[illegible]
20	NR	NR	NR	NR	17.41	12.30	7.40	6.30	2.80	2.80	[illegible]	6.70
21	NR	NR	NR	NR	40.25	11.80	7.00	4.40	3.30	2.80	15.1[illegible]	[illegible]
22	NR	NR	NR	NR	24.20	10.50	38.01	3.30	3.00	4.40	6.30	[illegible]
23	NR	NR	NR	NR	20.80	9.70	10.90	3.00	[illegible]	3.00	4.40	7.40
24	NR	NR	NR	NR	17.60	76.20	8.10	1.90	2.30	3.30	4.10	7.40
25	NR	NR	NR	NR	16.60	30.84	6.30	1.50	2.10	2.80	[illegible]	[illegible]
26	NR	NR	NR	7.00	15.60	19.70	6.00	1.70	1.90	2.50	[illegible]	6.00
27	NR	NR	NR	10.90	13.60	14.60	5.30	3.60	1.90	3.00	3.60	6.00
28	NR	NR	NR	11.90	12.70	11.40	5.30	4.10	2.50	2.80	2.50	26.40
29	NR		NR	10.10	10.90	13.20	4.70	2.50	1.90	3.00	2.80	20.20
30	NR		NR	8.50	161.58	16.60	4.10	1.90	1.90	4.40	2.80	11.60
31	NR		NR		47.66		4.70	4.10		4.10		8.90
MEAN					72.196	55.171	7.620	2.990	2.403	[illegible]	4.145	7.986
INCHES					1.344	0.994	0.142	0.056	0.043	0.044	0.075	0.149
STA AV	0.0	0.0	0.0	0.0	1.344	0.994	0.142	0.056	0.043	0.044	0.075	0.149

Station Averages: 1 yr beginning 1979.
Conversion Factor: CFS to IN/DAY, multiply by 0.0018004. To convert discharge in inches to ac-ft, multiply by 3,[illegible].

1979 SELECTED RUNOFF EVENT LITTLE WASHITA, OKLAHOMA WATERSHED 526 NEAR CEMENT

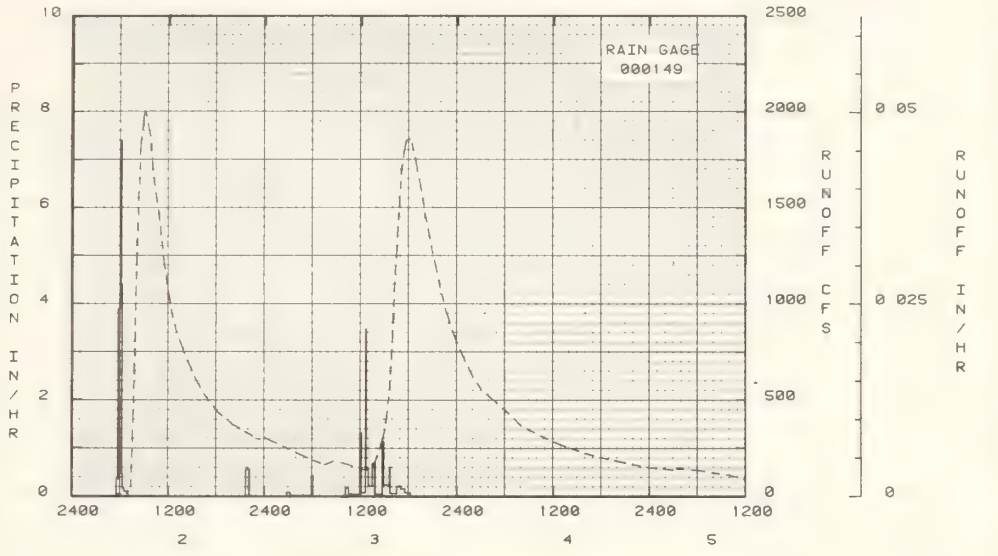
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 2 - 5, 1979							
RG 000149			RG 000149							
5- 2	0.0	0.001	5- 2	530	0.0	0.0	5- 2	530	8.100	0.0
				543	0.3692	0.08		606	8.500	0.0001
				557	3.9000	0.99		648	14.200	0.0003
				603	7.4000	1.73		700	25.300	0.0004
				610	4.3714	2.24		718	47.400	0.0007
WATERSHED CONDITIONS:										
land use according to a 1984				614	0.4500	2.27		723	130.100	0.0009
survey: 37.5% range, 21% poor				630	0.1500	2.31		730	304.398	0.0015
range, 28.1% winter wheat,				658	0.0857	2.35		736	447.000	0.0024
2.5% summer crops, .1% bare				2140	0.0	2.35		741	655.300	0.0036
soil, .6% water, 9.9% timber,				2210	0.5600	2.63		748	852.198	0.0058
.3% quarry/impervious.										
			5- 3	245	0.0	2.63		753	1052.198	0.0078
				316	0.0774	2.67		800	1228.300	0.0111
				552	0.0077	2.69		806	1387.800	0.0144
				606	0.4286	2.75		811	1548.698	0.0174
				1010	0.0	2.79		818	1662.100	0.0221
				1031	0.1714	2.85		823	1810.500	0.0258
				1153	0.0293	2.85		830	1870.698	0.0311
				1204	1.3091	3.13		841	1933.198	0.0398
				1237	0.0545	3.16		853	2004.998	0.0497
				1242	3.4800	3.45		900	2000.198	0.0555
				1258	0.5625	3.60		906	1976.300	0.0605
				1329	0.1935	3.70		918	1937.898	0.0702
				1344	0.6800	3.87		936	1871.398	0.0846
				1444	0.0300	3.90		953	1733.698	0.0974
				1453	1.1333	4.07		1011	1615.100	0.1099
				1537	0.2182	4.23		1030	1525.500	0.1224
				1542	0.6000	4.28		1048	1432.698	0.1335
				1631	0.0367	4.31		1106	1318.198	0.1438
				1705	0.1941	4.42		1130	1178.000	0.1563
				1732	0.1333	4.48		1200	1041.898	0.1702

Conversion Factor: CFS to IN/HR, multiply by 0.000002502.

1979 SELECTED RUNOFF EVENT — LITTLE WASHITA, OKLAHOMA WATERSHED 526 NEAR CEMENT

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MAY 2 - 5, 1979 (CONTINUED)							
			5- 3	1817	0.0533	4.52	5- 2	1230	925.398	0.1825
								1300	846.898	0.1935
								1330	754.898	0.2038
								1400	740.100	0.2134
								1430	687.500	0.2223
								1530	597.398	0.2384
								1630	524.800	0.2525
								1800	440.800	0.2706
								2000	371.398	0.2909
								2230	309.800	0.3122
								2311	295.300	0.3174
								2323	296.198	0.3188
								2400	302.000	0.3235
							5- 3	130	272.800	0.3342
								430	213.000	0.3525
								700	168.300	0.3644
								730	162.500	0.3665
								836	161.800	0.3712
								1100	153.200	0.3813
								1230	135.000	0.3867
								1300	135.700	0.3884
								1336	157.500	0.3906
								1406	209.800	0.3929
								1436	276.898	0.3959
								1500	344.398	0.3990
								1518	440.600	0.4020
								1536	559.500	0.4057
								1541	637.100	0.4070
								1553	762.300	0.4105
								1600	859.300	0.4128
								1606	948.000	0.4151
								1611	1075.898	0.4172
								1618	1161.100	0.4205
								1630	1307.500	0.4266
								1636	1399.000	0.4300
								1648	1562.198	0.4374
								1700	1689.600	0.4456
								1718	1788.898	0.4586
								1736	1849.000	0.4723
								1748	1854.698	0.4815
								1800	1860.100	0.4908
								1818	1832.398	0.5047
								1853	1724.198	0.5306
								1930	1583.800	0.5562
								2000	1461.600	0.5752
								2036	1333.398	0.5962
								2118	1197.500	0.6183
								2153	1083.800	0.6350
								2236	965.000	0.6534
								2306	855.198	0.6650
								2400	792.898	0.6840
							5- 4	100	704.000	0.7027
								200	617.300	0.7192
								300	554.698	0.7339
								500	479.898	0.7598
								630	424.000	0.7767
								800	362.500	0.7915
								1030	308.300	0.8125
								1330	254.400	0.8336
								1700	207.500	0.8538
								2100	169.800	0.8727
								2400	145.900	0.8845
							5- 5	253	135.200	0.8947
								323	142.400	0.8964
								600	131.600	0.9054
								1000	106.900	0.9173

Conversion Factor: CFS to IN/HR, multiply by 0.00002502.



EVENT OF MAY 2 - 5, 1979

LITTLE WASHITA, OKLAHOMA WATERSHED 526 NEAR CEMENT

1979 SELECTED RUNOFF EVENT — LITTLE WASHITA, OKLAHOMA WATERSHED 526 NEAR CEMENT

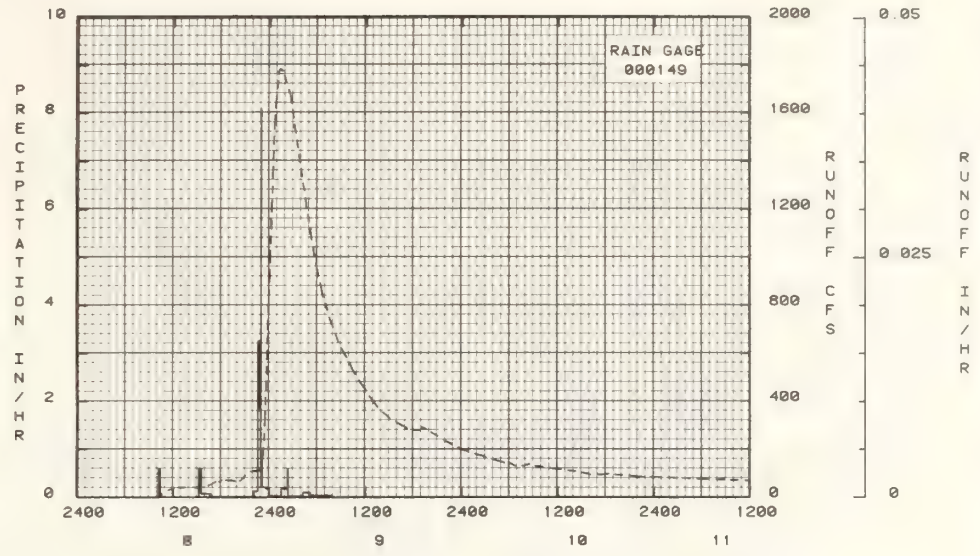
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 8 - 11, 1979							
RG 000149				RG 000149						
6- 8	0.0	0.010	6- 8	1010	0.0	0.0	6- 8	1118	30.400	0.0
				1020	0.6000	0.10		1200	38.700	0.0006
				1029	0.0667	0.11		1236	41.500	0.0012
				1513	0.0	0.11		1530	42.200	0.0042
				1531	0.6000	0.29		1641	53.200	0.0057
WATERSHED CONDITIONS:										
land use according to a 1984				1638	0.0627	0.36		1718	65.100	0.0066
survey: 37.5% range, 21% poor				2206	0.0055	0.39		1741	65.900	0.0072
range, 28.1% winter wheat,				2235	0.1241	0.45		1806	72.200	0.0079
2.5% summer crops, .1% bare				2249	3.2571	1.21		1836	72.000	0.0088
soil, .6% water, 9.9% timber,				2255	1.8000	1.39		1941	65.700	0.0107
.3% quarry/impervious.										
				2257	8.0983	1.66		2018	66.000	0.0117
				2307	0.8400	1.80		2100	90.900	0.0131
				2334	0.2000	1.89		2141	108.300	0.0148
			6- 9	2	0.1714	1.97		2248	112.900	0.0179
				132	0.0200	2.00		2306	148.700	0.0188
				216	0.1773	2.13		2318	206.300	0.0197
				220	0.6000	2.17		2323	266.800	0.0202
				414	0.0053	2.18		2330	356.600	0.0211
				508	0.1000	2.27		2336	485.300	0.0222
				753	0.0291	2.35		2341	580.800	0.0233
								2348	711.698	0.0252
								2353	833.898	0.0268
								2400	919.100	0.0294
							6- 9	6	1028.898	0.0318
								11	1128.898	0.0340
								18	1238.600	0.0375
								23	1350.398	0.0402
								30	1475.300	0.0443
								36	1563.300	0.0481
								48	1645.800	0.0561

Conversion Factor: CFS to IN/HR, multiply by 0.00002502.

1979 SELECTED RUNOFF EVENT — LITTLE WASEITA, OKLAHOMA — WATERSHED 526 NEAR CEMENT

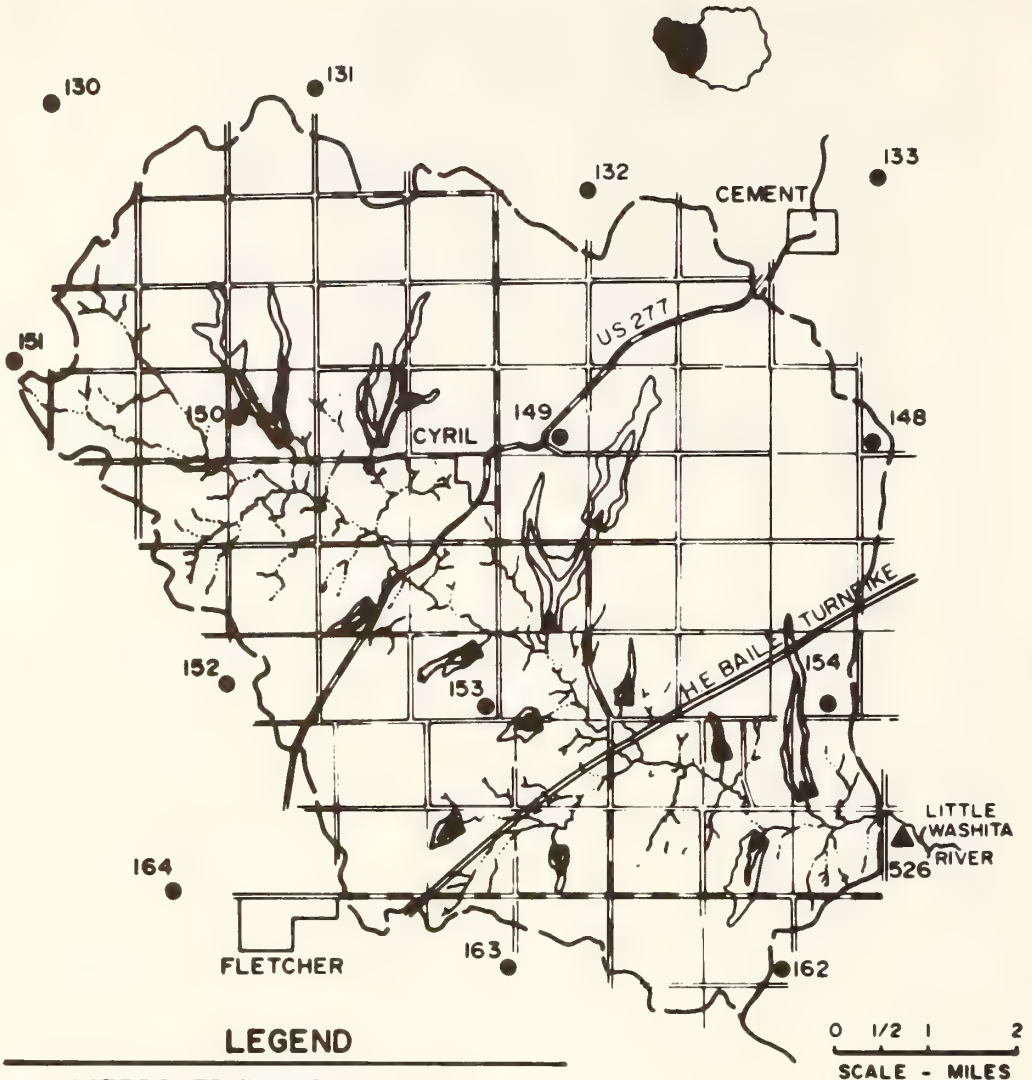
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JUNE 8 - 11, 1979 (CONTINUED)							
							6- 9	106	1775.100	0.0690
								118	1786.100	0.0779
								123	1781.100	0.0816
								136	1775.198	0.0913
								148	1755.398	0.1001
								236	1670.100	0.1344
								306	1545.398	0.1545
								336	1425.800	0.1731
								411	1305.500	0.1930
								436	1205.800	0.2061
								506	1100.898	0.2205
								536	1002.698	0.2337
								606	921.198	0.2457
								641	835.198	0.2585
								736	735.698	0.2765
								836	643.600	0.2938
								936	581.198	0.3091
								1041	510.898	0.3239
								1200	444.300	0.3396
								1330	372.698	0.3550
								1500	326.500	0.3681
								1711	285.698	0.3848
								1823	276.398	0.3932
								1841	277.398	0.3953
								1900	289.800	0.3976
								1930	283.898	0.4012
								2200	231.800	0.4173
								2400	196.400	0.4280
							6-10	300	164.600	0.4415
								523	141.000	0.4507
								553	140.900	0.4524
								641	126.900	0.4551
								736	127.200	0.4580
								830	137.600	0.4610
								911	128.100	0.4633
								1223	114.500	0.4730
								1411	105.800	0.4779
								1606	92.300	0.4827
								1741	93.400	0.4864
								1823	97.400	0.4880
								1911	91.300	0.4899
								2241	82.400	0.4975
								2400	81.400	0.5002
							6-11	600	73.900	0.5119
								1200	67.500	0.5225

Conversion Factor: CFS to IN/HR, multiply by 0.00002502.



EVENT OF JUNE 8 - 11, 1979

LITTLE WASHITA, OKLAHOMA WATERSHED 526 NEAR CEMENT



LEGEND

- WATERSHED BOUNDARY
- PAVED ROADS
- WATERWAYS
- FLOODWATER RETARDING RESERVOIR
- STREAM GAGING STATION
- RECORDING RAIN GAGE

WASHITA EXPERIMENTAL WATERSHED

CHICKASHA, OKLAHOMA

WATERSHED 526

69.029- 8

LOCATION: Pottawattamie County, Iowa; approximately 5 miles southwest of Treynor; Silver Creek, West Nishnabotna River, Missouri River basin. Lat. 41 deg. 09 min. 51 sec. N.; long. 95 deg. 39 min. 40 sec. W.

AREA: 34.7 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — TREYNOR, IOWA WATERSHED 1

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1977	P	0.15	0.86	1.74	5.15	4.92	1.83	7.79	3.88	6.58	0.80	1.60	0.54	34.84
	R	0.307	0.558	1.260	0.396	1.012	0.363	0.708	0.429	0.805	0.395	0.300	0.302	7.692
1978	P	1.12	0.18	3.34	2.62	1.78	3.21	5.42	3.56	2.12	3.99	1.49	0.25	29.68
	R	0.307	0.558	1.140	0.396	0.427	0.367	0.468	0.396	0.356	0.325	0.347	0.331	5.417
STA AV	P	1.53	0.62	1.69	3.29	4.57	4.40	3.89	4.26	4.45	2.72	1.53	0.80	32.80
	R	0.144	0.205	1.883	0.405	1.195	1.366	0.425	0.559	0.625	0.364	0.315	0.250	7.160

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval											
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	5-16	2.688	5-19	0.330	5-19	0.334	3-18	0.443	3-18	0.555	3-18	0.734	3-18	1.126	3-14	1.981
1979	3-18	3.220	3-18	0.210	3-18	0.277	3-18	0.650	3-17	0.841	3- 2	1.230	3- 1	1.274	2-27	2.184
MAXIMUMS FOR PERIOD OF RECORD														
	6-20	5.835	6-20	2.150	6-20	4.180	6-20	4.224	6-20	4.232	6-20	4.246	6-20	4.264	6- 4	5.979
	1967		1967		1967		1967		1967		1967		1967		1967	

Watershed Conditions: 95% contoured corn; 5% gullies and grassed waterways.
Maps: Topographic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, USDA Misc. Pub. 1194, page 71.1-5.
Precipitation: Records began January 1, 1964. From rain gage 117 during winter months; Thiessen weighted average of gages 116, 117, 118 for remainder of year.
Runoff: Records began February 10, 1964. Jan. 1-Feb. 10, 1964 runoff estimated and included in station averages.
Long-Term Precipitation: National Weather Service records at Omaha, Nebraska.

1978 DAILY PRECIPITATION (INCHES) — TREYNOR, IOWA WATERSHED 1

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.21	0.0	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.01
2	0.0	0.0	0.22	0.03	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.18
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.06
6	0.0	0.0	0.0	0.0	1.55	0.0	0.78	0.0	0.0	0.0	0.0	0.0
7	0.0	0.05	0.05	0.26	0.53	0.0	0.0	0.0	0.0	0.0	0.0	0.10
8	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	1.73	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.83	0.0	0.0	0.0	0.0
11	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0
12	0.0	0.11	0.0	0.0	0.02	0.0	0.27	0.0	0.0	0.0	0.14	0.0
13	0.0	0.23	0.37	0.0	0.0	0.0	0.0	0.0	2.90	0.0	0.01	0.0
14	0.0	0.0	0.0	0.60	0.0	0.0	0.02	0.15	0.02	0.03	0.0	0.0
15	0.02	0.0	0.0	0.15	0.0	0.0	0.0	0.81	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0
17	0.0	0.0	0.0	1.25	0.0	0.0	0.0	0.0	0.95	0.0	0.21	0.0
18	0.06	0.0	0.0	0.26	0.0	0.0	0.26	0.01	0.07	0.0	0.0	0.0
19	0.0	0.02	0.0	0.0	1.39	1.04	0.0	0.0	1.54	0.0	0.0	0.0
20	0.0	0.07	0.0	0.0	0.0	0.04	0.74	0.0	0.93	0.0	0.0	0.02
21	0.0	0.0	0.0	0.0	0.0	0.03	2.57	0.0	0.0	0.0	0.0	0.0
22	0.0	0.08	0.0	0.26	0.0	0.35	1.90	0.0	0.0	0.54	0.06	0.0
23	0.0	0.0	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.02	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.24	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0
26	0.0	0.0	0.0	0.0	0.06	0.36	0.0	0.44	0.0	0.0	0.17	0.0
27	0.0	0.0	0.0	0.01	0.07	0.01	0.0	0.39	0.0	0.0	0.0	0.0
28	0.0	0.08	0.0	0.0	0.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.02	0.0	0.0	0.0	0.17	0.0	0.0	0.0
30	0.07		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.53		1.14	0.0		0.17		0.17
TOTAL	0.15	0.86	0.74	5.15	4.92	1.83	7.79	3.88	6.58	0.80	1.60	0.54
STA AV	0.53	0.65	1.53	3.34	4.75	4.59	3.79	4.31	4.60	2.64	1.53	0.84

Air Temperature: See table for Watershed 3 (71.003).
Gaging: From rain gage 117 before April 5 and after November 13; Thiessen weighted average from stations 116, 117, and 118 for remainder of year.
Station Averages: 15 yr beginning 1964.

1979	DAILY PRECIPITATION (INCHES)					TREYNOR, IOWA WATERSHED 1						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.30	0.10	0.0	0.0	0.0	0.46	0.0	0.0	0.0
2	0.0	0.0	0.29	0.0	0.90	0.0	0.0	0.29	0.0	0.0	0.0	0.0
3	0.0	0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.03	0.0	0.0	0.01	0.0	0.53	0.39	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.63	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	1.08	0.0	0.0	0.08
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.09	0.48	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.54	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.18	0.02	0.0	0.0	0.0	0.0	0.02	0.0
11	0.03	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
12	0.26	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.41	0.0	0.0	0.0
13	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.0	0.0
15	0.0	0.01	0.0	0.0	0.0	0.0	1.21	0.31	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.07	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	1.43	0.0	0.54	0.55	0.0	1.23	0.0	0.36	0.0	0.0
19	0.34	0.0	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.04	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0
21	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.25	0.0	0.92	0.51	0.0
22	0.01	0.06	1.08	0.0	0.0	0.28	0.0	0.0	0.0	1.31	0.03	0.0
23	0.01	0.0	0.0	0.0	0.0	0.38	1.58	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
25	0.08	0.0	0.0	0.91	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0
26	0.15	0.0	0.0	0.02	0.06	0.0	0.0	0.39	0.0	0.0	0.0	0.0
27	0.03	0.0	0.0	0.0	0.0	0.16	0.09	0.01	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.51	0.0	0.12	0.11	0.54	0.0	0.0	0.0	0.0
29	0.0		0.07	0.02	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.16
30	0.05		0.0	0.0	0.0	0.0	0.37	0.0	0.0	1.40	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.12	0.18	3.94	2.62	1.78	3.21	5.42	3.56	2.12	3.99	1.49	0.25
STA AV	0.57	0.62	1.68	3.29	4.57	4.42	3.89	4.26	4.45	2.72	1.53	0.80

Air Temperature: See table for Watershed 3 (71.003).
Gaging: From rain gage 117 before April 5 and after November 5; Thiessen weighted average from stations 116, 117, and 118 for remainder of year.
Station Averages: 16 yr beginning 1964.

1978	MEAN DAILY DISCHARGE (CFS)					TREYNOR, IOWA WATERSHED 1						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.031	0.025	0.025	0.040	0.044	0.040	0.038	0.036	0.030	0.043	0.032	0.031
2	0.019	0.025	0.025	0.039	0.041	0.040	0.036	0.036	0.030	0.046	0.031	0.031
3	0.020	0.025	0.025	0.038	0.040	0.039	0.036	0.036	0.029	0.046	0.031	0.031
4	0.031	0.025	0.025	0.038	0.040	0.039	0.029	0.035	0.032	0.046	0.031	0.032
5	0.031	0.025	0.025	0.047	0.038	0.039	0.029	0.037	0.031	0.043	0.032	0.031
6	0.034	0.025	0.025	0.039	0.104	0.039	0.047	0.040	0.031	0.043	0.031	0.031
7	0.036	0.025	0.025	0.042	0.087	0.038	0.036	0.038	0.031	0.043	0.031	0.031
8	0.027	0.025	0.026	0.041	0.057	0.038	0.035	0.035	0.028	0.043	0.031	0.031
9	0.025	0.025	0.027	0.232	0.054	0.037	0.035	0.035	0.025	0.046	0.031	0.031
10	0.025	0.025	0.030	0.092	0.052	0.037	0.032	0.058	0.025	0.042	0.031	0.031
11	0.025	0.025	0.029	0.047	0.052	0.037	0.030	0.035	0.025	0.038	0.032	0.031
12	0.025	0.025	0.034	0.041	0.053	0.035	0.033	0.035	0.025	0.038	0.032	0.031
13	0.025	0.025	0.039	0.042	0.048	0.035	0.029	0.035	0.717	0.038	0.031	0.031
14	0.025	0.025	0.134	0.054	0.048	0.035	0.031	0.035	0.034	0.040	0.031	0.031
15	0.025	0.025	0.260	0.045	0.051	0.034	0.029	0.086	0.031	0.038	0.031	0.031
16	0.025	0.025	0.370	0.048	0.051	0.033	0.030	0.034	0.029	0.038	0.031	0.031
17	0.025	0.025	0.278	0.151	0.048	0.033	0.029	0.034	0.087	0.038	0.036	0.031
18	0.025	0.025	1.781	0.113	0.046	0.032	0.032	0.035	0.032	0.038	0.032	0.031
19	0.025	0.025	1.508	0.078	1.091	0.059	0.029	0.035	0.507	0.036	0.031	0.031
20	0.025	0.025	1.227	0.071	0.049	0.042	0.056	0.036	0.287	0.036	0.031	0.031
21	0.025	0.025	0.575	0.061	0.046	0.035	0.158	0.035	0.050	0.038	0.031	0.031
22	0.025	0.025	0.160	0.062	0.046	0.044	0.990	0.034	0.044	0.044	0.031	0.031
23	0.025	0.025	0.060	0.054	0.049	0.038	0.042	0.029	0.044	0.038	0.031	0.031
24	0.025	0.027	0.055	0.055	0.042	0.036	0.040	0.133	0.044	0.038	0.031	0.031
25	0.025	0.025	0.055	0.053	0.040	0.036	0.036	0.035	0.046	0.038	0.031	0.031
26	0.025	0.025	0.054	0.052	0.044	0.046	0.035	0.061	0.043	0.038	0.031	0.031
27	0.025	0.025	0.041	0.051	0.044	0.036	0.035	0.089	0.043	0.038	0.031	0.029
28	0.025	0.025	0.038	0.048	0.486	0.035	0.035	0.040	0.044	0.038	0.031	0.031
29	0.025		0.038	0.046	0.038	0.035	0.038	0.035	0.048	0.038	0.031	0.026
30	0.025		0.039	0.046	0.038	0.035	0.039	0.033	0.046	0.034	0.031	0.025
31	0.025		0.039		0.202		0.087	0.030		0.036		0.027
MEAN	0.0259	0.0251	0.2282	0.0622	0.1022	0.0379	0.0715	0.0433	0.0840	0.0399	0.0313	0.0305
INCHES	0.257	0.224	2.260	0.597	1.012	0.363	0.708	0.429	0.805	0.395	0.300	0.302
STA AV	0.346	0.501	0.629	0.427	1.139	1.433	0.422	0.570	0.643	0.366	0.313	0.287

Station Averages: 15 yr beginning 1964.
Conversion Factor: CFS to IN/DAY, multiply by 0.31949.

1979 MEAN DAILY DISCHARGE (CFS) TREYNOR, ICWA WATERSHED 1

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.031	0.031	0.146	0.045	0.041	0.035	0.038	0.031	[illegible]	[illegible]	[illegible]	[illegible]
2	0.031	0.031	2.261	0.048	0.078	0.035	0.038	0.034	0.038	[illegible]	0.047	[illegible]
3	0.031	0.031	1.726	0.046	0.050	0.035	0.038	0.031	0.038	0.026	[illegible]	[illegible]
4	0.031	0.031	0.064	0.045	0.047	0.044	0.042	[illegible]	0.034	[illegible]	0.035	0.036
5	0.031	0.031	0.070	0.043	0.048	0.035	0.037	0.031	0.031	[illegible]	0.055	[illegible]
6	0.031	0.031	1.617	0.043	0.046	0.035	0.041	0.029	0.235	[illegible]	[illegible]	[illegible]
7	0.031	0.031	0.201	0.042	0.047	0.038	0.042	[illegible]	0.041	0.026	0.035	[illegible]
8	0.031	0.031	0.051	0.041	0.048	0.039	0.050	0.028	0.031	0.027	0.035	[illegible]
9	0.031	0.031	0.432	0.041	0.046	0.043	[illegible]	0.032	0.031	0.027	[illegible]	[illegible]
10	0.031	0.031	0.083	0.041	0.050	0.041	0.036	0.029	0.029	[illegible]	0.035	[illegible]
11	0.031	0.031	1.057	0.050	0.048	0.036	0.030	0.029	[illegible]	0.025	[illegible]	[illegible]
12	0.031	0.031	0.802	0.044	0.046	0.033	0.041	0.029	0.035	0.025	[illegible]	[illegible]
13	0.031	0.031	0.258	0.039	0.044	0.032	0.033	0.029	0.030	[illegible]	0.033	0.031
14	0.031	0.031	0.067	0.037	0.045	0.029	0.035	0.029	0.030	[illegible]	0.031	[illegible]
15	0.031	0.031	0.045	0.037	0.042	0.028	0.151	0.033	[illegible]	0.026	[illegible]	0.031
16	0.031	0.031	0.055	0.037	0.040	0.031	0.038	0.031	0.029	0.026	0.031	0.031
17	0.031	0.031	0.329	0.034	0.039	[illegible]	0.035	0.029	0.029	0.026	[illegible]	[illegible]
18	0.031	0.031	2.758	0.034	0.053	0.044	0.035	0.189	0.029	0.031	[illegible]	0.035
19	0.031	0.031	0.086	0.038	0.043	0.079	0.035	0.037	0.029	[illegible]	0.031	0.035
20	0.031	0.031	0.054	0.044	0.040	0.035	0.035	0.031	0.029	0.027	[illegible]	0.035
21	0.031	0.032	0.052	0.037	0.041	0.035	0.035	0.039	0.029	[illegible]	[illegible]	0.035
22	0.031	0.041	0.268	0.037	0.041	0.041	0.037	0.038	0.029	0.079	0.038	[illegible]
23	0.031	0.088	0.073	0.037	0.039	0.044	0.169	0.038	0.029	0.043	0.038	0.035
24	0.031	0.051	0.059	0.035	0.041	0.038	0.047	0.038	0.028	0.033	[illegible]	[illegible]
25	0.031	0.040	0.056	0.056	0.039	0.038	0.036	0.038	0.027	0.031	0.038	0.033
26	0.031	0.054	0.053	0.039	0.039	0.038	0.035	0.043	0.027	0.031	0.034	[illegible]
27	0.031	0.296	0.051	0.037	0.040	0.042	0.035	0.038	0.027	[illegible]	[illegible]	0.031
28	0.031	0.523	0.048	0.044	0.040	0.042	0.039	0.080	0.027	0.031	0.031	[illegible]
29	0.031		0.048	0.043	0.034	0.038	0.054	0.038	0.027	0.029	0.031	0.031
30	0.031		0.046	0.039	0.038	0.035	0.041	0.038	0.026	[illegible]	0.033	[illegible]
31	0.031		0.044		0.035		0.034	0.038		0.042		[illegible]
MEAN	0.0310	0.0624	0.4180	0.0413	0.0442	0.0383	0.0462	0.0400	0.0372	0.0328	0.0362	0.0334
INCHES	0.307	0.558	4.140	0.396	0.437	0.367	0.458	0.396	0.356	0.325	0.347	0.331
STA AV	0.343	0.505	0.849	0.425	1.095	1.366	0.425	0.559	0.625	0.364	0.315	0.290

Station Averages: 16 yr beginning 1964.
Conversion Factor: CFS to IN/DAY, multiply by 0.31949.

1979 SELECTED RUNOFF EVENT TREYNOR, ICWA WATERSHED 1

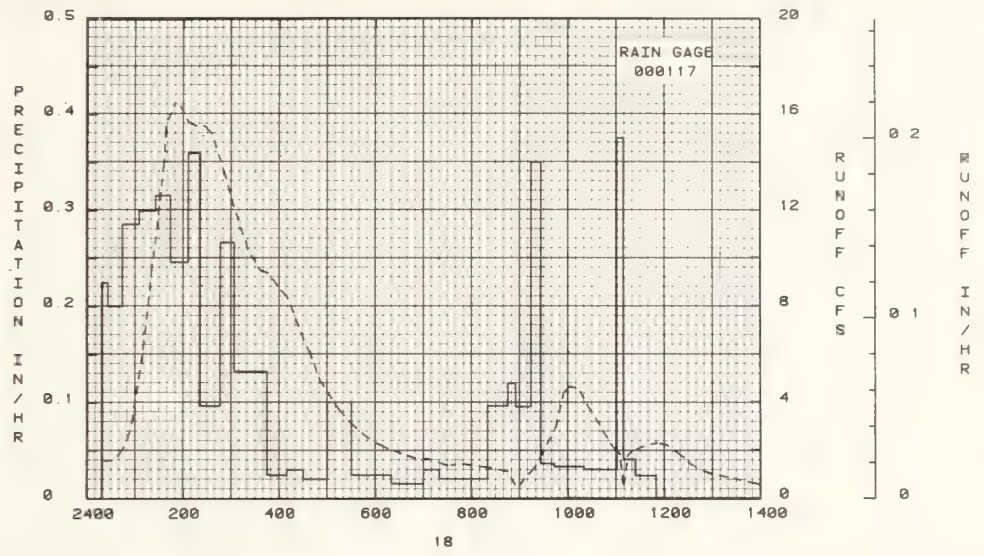
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 18, 1979						
RG 000117			RG 000117						
3-18	0.41	0.008	3-18	18	0.0	0.0	3-18	22	1.570	0.0
				26	0.2250	0.03		31	1.610	0.0032
				44	0.2000	0.09		41	1.895	0.0071
				105	0.2857	0.19		46	2.160	0.0093
				125	0.3000	0.25		51	2.550	0.0119
WATERSHED CONDITIONS:										
95% corn stalk residue, ground				144	0.3158	0.35		56	3.210	0.0151
thawed; 5% gullies and				206	0.2455	0.48		106	5.365	0.0246
grassed waterways.				221	0.3600	0.57		111	6.580	0.0312
				246	0.0960	0.61		116	8.085	0.0394
				304	0.2667	0.69		121	9.740	0.0493
				345	0.1317	0.78		127	11.260	0.0632
				410	0.0240	0.79		136	14.190	0.0887
				430	0.0300	0.80		138	15.520	0.0952
				500	0.0200	0.81		149	16.520	0.1343
				530	0.1000	0.86		150	16.520	0.1380
				620	0.0240	0.88		156	16.355	0.1599
				700	0.0150	0.89		206	15.687	0.1954
				720	0.0300	0.90		216	15.520	0.2301
				750	0.0200	0.91		226	15.520	0.2648
				820	0.0200	0.92		236	15.190	0.2986
				845	0.0960	0.96		251	13.600	0.3465
				855	0.1200	0.98		306	11.850	0.3888
				914	0.0947	1.01		321	10.375	0.4258
				926	0.3500	1.08		336	9.490	0.4589
				943	0.0353	1.09		346	9.365	0.4758
				1020	0.0324	1.11		411	8.300	0.5288
				1101	0.0293	1.13		421	7.440	0.5462
				1109	0.3750	1.18		431	6.580	0.5618
				1124	0.0400	1.19		441	5.830	0.5755
				1150	0.0231	1.20		451	4.895	0.5874

Conversion Factor: CFS to IN/HR, multiply by 0.013812.

1979 SELECTED RUNOFF EVENT — TREYNOR, IOWA WATERSHED 1

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 18, 1979 (CONTINUED)							
							3-18	515	3.660	0.6102
								530	3.095	0.6215
								545	2.655	0.6310
								600	2.302	0.6393
								615	2.070	0.6466
								650	1.650	0.6610
								705	1.610	0.6664
								710	1.570	0.6682
								730	1.350	0.6747
								735	1.350	0.6762
								740	1.420	0.6777
								750	1.420	0.6808
								800	1.350	0.6839
								825	1.245	0.6911
								845	1.090	0.6963
								854	0.557	0.6979
								900	0.557	0.6987
								920	1.350	0.7029
								930	1.980	0.7066
								945	2.980	0.7148
								955	4.410	0.7230
								1002	4.635	0.7301
								1003	4.635	0.7311
								1010	4.560	0.7382
								1015	4.410	0.7432
								1025	3.810	0.7523
								1055	2.160	0.7722
								1105	1.810	0.7766
								1109	0.557	0.7777
								1110	0.557	0.7778
								1115	1.810	0.7791
								1120	1.980	0.7812
								1125	2.025	0.7834
								1135	2.160	0.7880
								1150	2.302	0.7955
								1151	2.302	0.7960
								1155	2.255	0.7980
								1205	2.160	0.8029
								1215	1.895	0.8074
								1225	1.650	0.8113
								1230	1.490	0.8131
								1234	1.350	0.8143
								1236	1.350	0.8149
								1240	1.245	0.8161
								1300	0.969	0.8210
								1345	0.663	0.8291

Conversion Factor: CFS to IN/HR, multiply by 0.013312.



EVENT OF MARCH 18, 1979

TREYNOR, ICWA WATERSHED 1

LOCATION: Pottawattamie County, Iowa; approximately 6 miles southwest of Treynor; Keg Creek, Missouri River Basin.
Lat. 41 deg. 10 min. 10 sec. N.; Long. 95 deg. 39 min. 00 sec. W.

AREA: 82.80 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — TREYNOR, IOWA WATERSHED 2

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	0.15	0.86	0.74	5.13	4.78	1.64	8.14	3.57	6.53	0.77	1.59	0.54	34.44
1978	Q	0.315	0.254	1.891	0.591	1.077	0.450	0.877	0.511	1.331	0.490	0.398	0.357	8.542
	P	1.12	0.18	3.94	2.57	1.82	3.18	5.16	3.35	2.27	3.80	1.50	0.25	29.14
1979	Q	0.419	0.488	4.145	0.556	0.532	0.408	0.495	0.414	0.396	0.353	0.382	0.349	8.936
STA AV	P	0.57	0.62	1.72	3.24	4.51	4.37	3.83	4.17	4.47	2.73	1.52	0.80	32.54
	Q	0.441	0.609	0.914	0.462	0.972	1.338	0.430	0.526	0.660	0.418	0.368	0.370	7.509

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	5-19	1.008	9-13	0.309	9-13	0.365	3-18	0.411	3-18	0.501	3-18	0.687	3-18	1.028	3-13	1.604
1979	3-18	0.207	3-18	0.201	3-18	0.361	3-17	0.544	3- 2	0.745	3- 2	1.194	3- 1	1.239	3- 2	2.001
MAXIMUMS FOR PERIOD OF RECORD																
	6-20 1967	4.866	6-20 1967	2.701	6-20 1967	3.693	6-20 1967	3.780	6-20 1967	3.786	6-20 1967	3.796	6-20 1967	3.810	6- 4 1967	5.531

Watershed Conditions: 95% contoured corn; 5% gullies and grassed waterways.
Maps: Topographic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, USDA Misc. Pub. 1194, page 71.2-5.
Precipitation: Records began January 1, 1964. From rain gage 117 during winter months; Thiessen weighted average of gages 115, 116, and 118 for remainder of year.
Runoff: Records began February 3, 1964. Jan. 1-Feb. 3, 1964 runoff estimated and included in station averages.
Long-Term Precipitation: National Weather Service records at Omaha, Nebraska.

1978 DAILY PRECIPITATION (INCHES) — TREYNOR, IOWA WATERSHED 2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.21	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.01
2	0.0	0.0	0.22	0.03	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.18
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.06
6	0.0	0.0	0.0	0.0	1.51	0.0	0.78	0.0	0.0	0.0	0.0	0.0
7	0.0	0.05	0.05	0.30	0.51	0.0	0.0	0.0	0.0	0.0	0.0	0.10
8	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	1.73	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.79	0.0	0.0	0.0	0.0
11	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0
12	0.0	0.11	0.0	0.0	0.02	0.0	0.27	0.0	0.0	0.0	0.13	0.0
13	0.0	0.23	0.37	0.0	0.0	0.0	0.0	0.0	2.86	0.0	0.01	0.0
14	0.0	0.0	0.0	0.59	0.0	0.0	0.02	0.13	0.03	0.03	0.0	0.0
15	0.02	0.0	0.0	0.15	0.0	0.0	0.0	0.76	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0
17	0.0	0.0	0.0	1.27	0.0	0.0	0.0	0.0	0.93	0.0	0.21	0.0
18	0.06	0.0	0.0	0.22	0.0	0.0	0.23	0.01	0.09	0.0	0.0	0.0
19	0.0	0.02	0.0	0.0	1.15	1.03	0.0	0.0	1.49	0.0	0.0	0.0
20	0.0	0.07	0.0	0.0	0.0	0.04	0.66	0.0	0.96	0.0	0.0	0.02
21	0.0	0.0	0.0	0.0	0.0	0.04	2.66	0.0	0.0	0.0	0.0	0.0
22	0.0	0.08	0.0	0.25	0.0	0.33	1.87	0.0	0.0	0.55	0.06	0.0
23	0.0	0.0	0.0	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.02	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.08	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0
26	0.0	0.0	0.0	0.0	0.08	0.19	0.0	0.41	0.0	0.0	0.17	0.0
27	0.0	0.0	0.0	0.01	0.07	0.01	0.0	0.37	0.0	0.0	0.0	0.0
28	0.0	0.08	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.03	0.0	0.0	0.0	0.17	0.0	0.0	0.0
30	0.07		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.69		1.56	0.0		0.15		0.17
TOTAL	0.15	0.86	0.74	5.13	4.78	1.64	8.14	3.57	6.53	0.77	1.59	0.54
STA AV	0.53	0.65	1.57	3.28	4.69	4.45	3.74	4.22	4.62	2.66	1.52	0.84

Air Temperature: See table for Watershed 3 (71.003).
Gaging: Thiessen weighted average from stations 115, 116, and 118 for period of April 5 through November 13, and from station 117 for remainder of year.
Station Averages: 15 yr beginning 1964.

1979	DAILY PRECIPITATION (INCHES)						TREYNOR, IOWA WATERSHED 2					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.30	0.10	0.0	0.0	0.0	0.52	0.0	0.0	[illegible]
2	0.0	0.0	0.20	0.0	0.01	0.0	0.0	0.25	0.0	0.0	0.0	[illegible]
3	0.0	0.0	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.03	0.0	0.0	0.01	0.0	0.50	0.41	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.64	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	1.15	0.0	0.0	[illegible]
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
8	0.0	0.0	0.0	0.0	0.0	0.09	0.45	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.27	0.0	0.54	0.0	0.0	0.0	[illegible]
10	0.0	0.0	0.0	0.0	0.17	0.02	0.0	0.0	0.0	0.0	0.02	0.0
11	0.03	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
12	0.26	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.41	0.0	0.0	[illegible]
13	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
14	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.0	[illegible]
15	0.0	0.01	0.0	0.0	0.0	0.0	1.14	0.32	0.0	0.0	0.0	[illegible]
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
17	0.0	0.07	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
18	0.0	0.0	1.43	0.0	0.57	0.54	0.0	1.17	0.0	0.33	0.0	0.0
19	0.34	0.0	0.0	0.0	0.0	0.84	0.0	0.0	0.0	0.0	0.0	[illegible]
20	0.0	0.04	0.0	0.51	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0
21	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.20	0.0	0.89	0.51	0.0
22	0.01	0.06	1.08	0.0	0.0	0.27	0.0	0.02	0.0	1.18	0.03	0.0
23	0.01	0.0	0.0	0.0	0.0	0.36	1.47	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0
25	0.08	0.0	0.0	0.84	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0
26	0.15	0.0	0.0	0.03	0.07	0.0	0.0	0.34	0.0	0.0	0.0	0.0
27	0.03	0.0	0.0	0.0	0.0	0.18	0.10	0.01	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.51	0.0	0.11	0.13	0.50	0.0	0.0	0.0	0.0
29	0.0		0.07	0.02	0.0	0.0	0.31	0.0	0.0	0.0	0.0	0.16
30	0.05		0.0	0.0	0.0	0.0	0.41	0.0	0.0	1.40	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.12	0.18	3.94	2.57	1.82	3.18	5.16	3.35	2.27	3.80	1.50	0.25
STA AV	0.57	0.62	1.72	3.24	4.51	4.37	3.83	4.17	4.47	2.73	1.52	0.80

Air Temperature: See table for Watershed 3 (71.003).
Gaging: Thiessen weighted average from stations 115, 116, and 118 for period of April 5 through November 5, and from station 117 for remainder of year.
Station Averages: 16 yr beginning 1964.

1978	MEAN DAILY DISCHARGE (CFS)						TREYNOR, IOWA WATERSHED 2					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.039	0.033	0.033	0.041	0.070	0.069	0.049	0.060	0.044	0.060	0.047	0.047
2	0.039	0.033	0.033	0.042	0.068	0.063	0.045	0.057	0.044	0.064	0.047	0.047
3	0.040	0.033	0.033	0.039	0.066	0.059	0.043	0.052	0.044	0.059	0.047	0.039
4	0.047	0.033	0.033	0.039	0.064	0.058	0.040	0.051	0.044	0.055	0.047	0.043
5	0.047	0.033	0.033	0.048	0.064	0.055	0.037	0.051	0.044	0.055	0.048	0.047
6	0.047	0.032	0.033	0.044	0.115	0.057	0.058	0.050	0.044	0.055	0.047	0.040
7	0.045	0.027	0.033	0.046	0.104	0.057	0.048	0.050	0.044	0.055	0.047	0.039
8	0.033	0.027	0.033	0.048	0.077	0.055	0.047	0.048	0.044	0.055	0.044	0.039
9	0.033	0.027	0.034	0.134	0.071	0.054	0.044	0.050	0.044	0.055	0.045	0.039
10	0.033	0.027	0.036	0.069	0.070	0.052	0.044	0.073	0.044	0.055	0.045	0.039
11	0.033	0.027	0.041	0.052	0.072	0.052	0.043	0.052	0.041	0.052	0.047	0.040
12	0.033	0.027	0.041	0.047	0.074	0.048	0.050	0.048	0.039	0.055	0.048	0.041
13	0.033	0.031	0.072	0.049	0.071	0.045	0.044	0.044	1.385	0.055	0.047	0.039
14	0.033	0.033	0.123	0.069	0.069	0.045	0.045	0.048	0.056	0.056	0.047	0.039
15	0.033	0.033	0.171	0.057	0.073	0.043	0.041	0.112	0.059	0.052	0.047	0.039
16	0.033	0.033	0.252	0.060	0.073	0.043	0.040	0.048	0.052	0.055	0.047	0.039
17	0.033	0.033	0.205	0.131	0.073	0.043	0.037	0.044	0.159	0.052	0.051	0.039
18	0.033	0.033	1.770	0.087	0.067	0.043	0.045	0.044	0.061	0.052	0.047	0.039
19	0.033	0.033	1.537	0.083	0.756	0.062	0.043	0.044	1.162	0.052	0.047	0.039
20	0.033	0.033	1.101	0.083	0.075	0.058	0.057	0.044	0.435	0.052	0.042	0.039
21	0.033	0.030	0.417	0.083	0.073	0.050	0.146	0.044	0.096	0.051	0.039	0.039
22	0.033	0.029	0.096	0.085	0.072	0.060	1.129	0.043	0.090	0.062	0.044	0.039
23	0.033	0.033	0.052	0.083	0.071	0.054	0.065	0.040	0.084	0.055	0.047	0.039
24	0.033	0.039	0.047	0.083	0.065	0.050	0.066	0.146	0.075	0.055	0.045	0.039
25	0.033	0.033	0.045	0.080	0.059	0.048	0.060	0.048	0.070	0.055	0.047	0.039
26	0.033	0.033	0.042	0.077	0.061	0.056	0.057	0.070	0.070	0.055	0.047	0.039
27	0.033	0.033	0.048	0.076	0.065	0.049	0.056	0.128	0.066	0.055	0.045	0.039
28	0.033	0.033	0.048	0.075	0.457	0.047	0.055	0.052	0.061	0.055	0.043	0.039
29	0.033		0.047	0.073	0.068	0.043	0.055	0.047	0.068	0.055	0.047	0.039
30	0.033		0.046	0.073	0.062	0.043	0.052	0.044	0.063	0.051	0.047	0.039
31	0.033		0.044		0.521		0.412	0.044		0.051		0.039
MEAN	0.0354	0.0316	0.2122	0.0685	0.1209	0.0521	0.0984	0.0574	0.1543	0.0549	0.0462	0.0401
INCHES	0.315	0.254	1.891	0.591	1.077	0.450	0.877	0.511	1.331	0.490	0.398	0.357
STA AV	0.443	0.617	0.699	0.456	1.001	1.400	0.426	0.533	0.678	0.422	0.367	0.371

Station Averages: 15 yr beginning 1964.
Conversion Factor: CFS to IN/DAY, multiply by 0.28746.

1979	MEAN DAILY DISCHARGE (CFS)					IREYNCR, IOWA WATERSHED 2						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.047	0.047	0.202	0.080	0.054	0.048	0.044	0.042	0.056	0.029	0.043	0.038
2	0.047	0.047	2.381	0.079	0.088	0.048	0.044	0.056	0.044	0.030	0.043	0.038
3	0.047	0.047	1.918	0.073	0.064	0.046	0.042	0.041	0.039	0.031	0.043	0.040
4	0.047	0.047	0.066	0.069	0.064	0.058	0.055	0.038	0.034	0.031	0.043	0.042
5	0.047	0.047	0.074	0.066	0.064	0.048	0.047	0.036	0.036	0.031	0.065	0.042
6	0.047	0.047	1.647	0.068	0.064	0.046	0.050	0.035	0.272	0.031	0.047	0.043
7	0.047	0.047	0.272	0.067	0.059	0.048	0.049	0.034	0.044	0.031	0.047	0.039
8	0.047	0.047	0.063	0.067	0.066	0.055	0.057	0.034	0.043	0.031	0.047	0.039
9	0.047	0.047	0.517	0.066	0.067	0.061	0.045	0.040	0.038	0.032	0.047	0.039
10	0.047	0.047	0.099	0.066	0.075	0.050	0.044	0.041	0.037	0.033	0.047	0.039
11	0.047	0.047	1.206	0.076	0.069	0.045	0.040	0.038	0.036	0.033	0.047	0.037
12	0.047	0.047	1.141	0.071	0.066	0.040	0.045	0.035	0.048	0.034	0.047	0.035
13	0.047	0.047	0.333	0.066	0.062	0.040	0.041	0.036	0.043	0.036	0.042	0.037
14	0.047	0.047	0.103	0.064	0.059	0.037	0.040	0.037	0.044	0.036	0.039	0.038
15	0.047	0.047	0.078	0.064	0.061	0.033	0.203	0.048	0.041	0.036	0.039	0.040
16	0.047	0.047	0.068	0.064	0.058	0.039	0.042	0.039	0.036	0.036	0.039	0.039
17	0.047	0.047	0.263	0.062	0.054	0.039	0.041	0.040	0.036	0.036	0.039	0.037
18	0.047	0.047	2.481	0.061	0.074	0.056	0.039	0.217	0.034	0.047	0.039	0.039
19	0.047	0.047	0.174	0.064	0.060	0.085	0.039	0.051	0.035	0.038	0.039	0.039
20	0.047	0.046	0.095	0.075	0.055	0.042	0.037	0.037	0.035	0.037	0.044	0.039
21	0.047	0.043	0.091	0.060	0.053	0.047	0.039	0.044	0.037	0.048	0.072	0.039
22	0.047	0.056	0.374	0.057	0.052	0.048	0.040	0.037	0.037	0.085	0.045	0.041
23	0.047	0.091	0.113	0.050	0.051	0.055	0.175	0.036	0.034	0.052	0.041	0.041
24	0.047	0.053	0.094	0.051	0.055	0.044	0.059	0.036	0.034	0.045	0.041	0.039
25	0.047	0.049	0.090	0.076	0.051	0.044	0.044	0.037	0.035	0.042	0.043	0.039
26	0.047	0.049	0.084	0.052	0.053	0.043	0.044	0.047	0.034	0.038	0.041	0.039
27	0.047	0.088	0.083	0.051	0.052	0.046	0.046	0.044	0.033	0.036	0.039	0.039
28	0.047	0.329	0.078	0.061	0.051	0.045	0.051	0.061	0.034	0.033	0.039	0.039
29	0.047		0.081	0.055	0.047	0.041	0.072	0.044	0.034	0.033	0.039	0.039
30	0.047		0.077	0.054	0.052	0.040	0.066	0.040	0.032	0.085	0.041	0.040
31	0.047		0.073		0.049		0.041	0.036		0.052		0.039
MEAN	0.0470	0.0606	0.4651	0.0645	0.0597	0.0473	0.0555	0.0464	0.0459	0.0396	0.0443	0.0392
INCHES	0.419	0.488	4.145	0.556	0.532	0.408	0.495	0.414	0.396	0.353	0.382	0.349
STA AV	0.441	0.609	0.914	0.462	0.972	1.338	0.430	0.526	0.660	0.418	0.368	0.370

Station Averages: 16 yr beginning 1964.
Conversion Factor: CFS to IN/DAY, multiply by 0.28746.

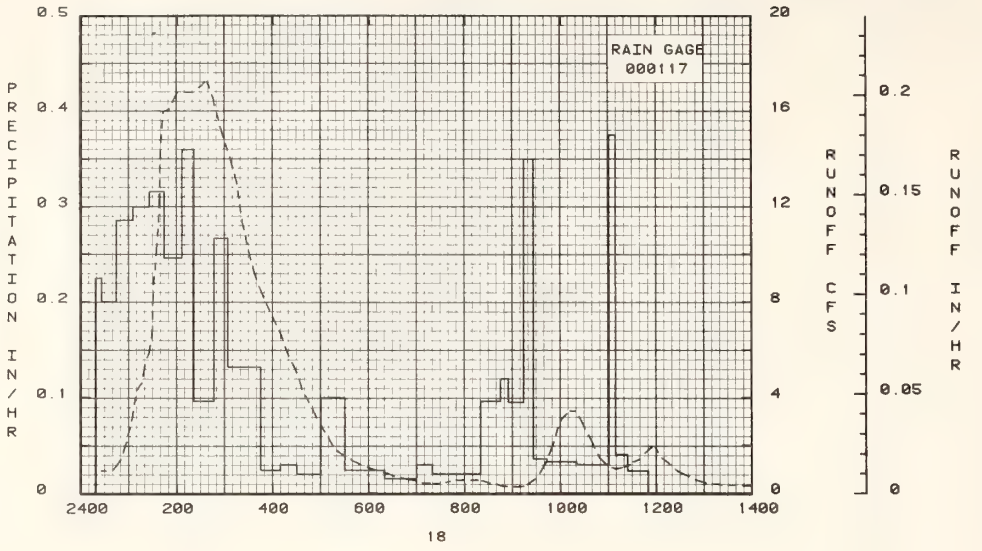
1979	SELECTED RUNOFF EVENT			IREYNCR, IOWA WATERSHED 2						
ANTECEDENT CONDITIONS				RAINFALL			RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF MARCH 18, 1979						
	RG 000117			RG 000117						
3-18	0.44	0.005	3-18	26	0.0	0.0	3-18	26	0.950	0.0
				44	0.2000	0.06		31	0.950	0.0010
				105	0.2857	0.16		40	0.998	0.0027
				125	0.3000	0.26		50	1.440	0.0051
				144	0.3158	0.36		57	2.160	0.0076
WATERSHED CONDITIONS:										
95% Contoured corn, crop residue and stalks left from harvest; 5% gullies and grassed waterways, grass not up.				206	0.2455	0.45		104	3.150	0.0114
				221	0.3600	0.54		110	4.350	0.0158
				246	0.0960	0.58		116	4.630	0.0212
				304	0.2667	0.66		120	5.400	0.0252
				345	0.1317	0.75		125	5.910	0.0309
				410	0.0240	0.76		129	6.700	0.0359
				430	0.0300	0.77		130	8.460	0.0374
				500	0.0200	0.78		135	10.480	0.0469
				530	0.1000	0.83		138	12.240	0.0537
				620	0.0240	0.85		139	14.410	0.0563
				700	0.0150	0.86		141	15.330	0.0623
				720	0.0300	0.87		142	15.980	0.0654
				750	0.0200	0.88		150	16.110	0.0910
				820	0.0200	0.89		200	16.820	0.1239
				845	0.0960	0.93		220	16.820	0.1910
				855	0.1200	0.95		231	17.110	0.2283
				914	0.0947	0.98		234	17.255	0.2386
				926	0.3500	1.05		237	17.255	0.2489
				943	0.0353	1.06		245	16.530	0.2759
				1020	0.0324	1.08		255	15.200	0.3075
				1101	0.0293	1.10		310	13.630	0.3507
				1109	0.3750	1.15		315	12.940	0.3640
				1124	0.0400	1.16		322	11.320	0.3809
				1150	0.0231	1.17		330	10.060	0.3980
								337	9.220	0.4115

Conversion Factor: CFS to IN/HR, multiply by 0.011978.

1979 SELECTED RUNOFF EVENT — TREYNOR, ICWA WATERSHED 2

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 18, 1979 (CONTINUED)							
							3-18	345	8.460	0.4256
								400	7.330	0.4492
								410	6.700	0.4632
								420	5.750	0.4756
								430	5.050	0.4864
								437	4.350	0.4930
								455	3.150	0.5065
								505	2.560	0.5122
								515	2.000	0.5167
								522	1.735	0.5193
								540	1.350	0.5249
								550	1.175	0.5274
								610	0.950	0.5316
								624	0.814	0.5341
								632	0.692	0.5353
								643	0.617	0.5367
								659	0.514	0.5385
								708	0.423	0.5394
								717	0.409	0.5401
								722	0.395	0.5405
								729	0.395	0.5411
								737	0.452	0.5418
								742	0.514	0.5422
								750	0.547	0.5431
								817	0.547	0.5460
								822	0.514	0.5466
								832	0.409	0.5475
								847	0.295	0.5485
								853	0.273	0.5489
								907	0.273	0.5496
								914	0.295	0.5500
								919	0.368	0.5504
								929	0.617	0.5513
								935	0.903	0.5523
								942	1.320	0.5538
								947	1.735	0.5553
								952	2.160	0.5573
								957	2.750	0.5597
								1002	3.150	0.5627
								1008	3.330	0.5665
								1012	3.450	0.5692
								1019	3.450	0.5741
								1027	2.950	0.5792
								1039	2.160	0.5853
								1049	1.470	0.5889
								1057	1.200	0.5910
								1106	1.049	0.5931
								1108	1.023	0.5935
								1110	1.023	0.5939
								1117	1.074	0.5954
								1120	1.100	0.5960
								1127	1.200	0.5976
								1132	1.320	0.5989
								1140	1.440	0.6011
								1147	1.735	0.6033
								1154	1.920	0.6058
								1159	1.920	0.6078
								1202	1.700	0.6099
								1208	1.440	0.6107
								1217	1.200	0.6131
								1227	0.903	0.6152
								1241	0.692	0.6174
								1249	0.547	0.6184
								1302	0.423	0.6197
								1322	0.342	0.6212

Conversion Factor: CFS to IN/HR, multiply by 0.011978.



EVENT OF MARCH 18, 1979

TREYNOR, IOWA WATERSHED 2

LOCATION: Pottawattamie County, Iowa; approximately [illegible] Missouri River, Missouri River Basin. Lat. 41 deg. 1 min. [illegible] sec. N.; long. 95 deg. [illegible] min. [illegible] sec. W.

AREA: 107.00 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — TREYNOR, IOWA WATERSHED

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	0.13	0.69	0.85	4.19	5.30	2.13	6.90	3.07	6.22	0.79	1.59	0.42	31.65
1978	Q	0.567	0.406	1.751	0.960	1.403	1.058	0.999	0.694	1.605	0.569	0.481	0.487	9.897
	P	1.18	0.23	4.12	2.25	1.92	2.87	5.07	1.47	3.26	3.91	1.72	0.24	29.24
1979	Q	0.444	0.438	2.628	0.904	1.045	0.866	0.654	0.560	0.482	0.356	0.580	0.604	10.562
STA AV	P	0.59	0.57	1.62	3.17	4.66	4.50	3.63	3.59	4.39	2.73	1.45	0.77	31.67
	Q	0.374	0.520	0.868	0.538	0.760	0.891	0.585	0.439	0.387	0.427	0.423	0.420	6.594

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval: 1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	5-31	0.348	5-31	0.142	5-31	0.195	3-18	0.325	3-18	0.416	3-18	0.534	3-18	0.728	3-18	1.314
1979	3-18	0.162	3-18	0.156	3-18	0.276	3-18	0.455	3- [illegible]	0.617	3- 2	1.060	3- 2	1.115	3- 2	1.757
MAXIMUMS FOR PERIOD OF RECORD																
	6-20 1967	2.010	6-20 1967	1.005	6-20 1967	1.287	6-20 1967	1.336	6-20 1967	1.350	6-20 1967	1.371	2-27 1965	1.408	3- 2 1979	1.757

Watershed Conditions: 86% corn, conservation tillage; 14% grassed waterway, roads and farmstead.
Maps: Topographic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1964, USDA Misc. Pub. 1144, page 71.3-4.
Precipitation: Records began January 1, 1964. Arithmetic average of rain gages 113 and 114 during winter months; Thiessen weighted average of gages 112, 113 and 114 for remainder of year.
Runoff: Records began January 2, 1964. Jan. 1, 1964 runoff estimated and included in station averages.
Long-Term Precipitation: National Weather Service records at Omaha, Nebraska.

1978 DAILY AIR TEMPERATURE (DEGREES F) — TREYNOR, IOWA WATERSHED

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	10	-4	24	-5	22	-1	58	39	56	42	70	52	90	74	82	63	87	60	76	45	62	35	32	19
2	20	2	8	-14	28	10	71	43	64	35	76	51	93	67	82	64	86	66	69	52	71	40	20	13
3	34	10	18	0	12	-4	86	43	60	38	92	58	94	68	74	54	91	64	62	44	77	52	16	6
4	28	16	30	8	12	-10	64	42	59	46	85	59	96	73	78	50	90	64	66	38	74	44	36	6
5	27	20	8	-10	20	-3	59	44	63	42	84	58	99	74	80	52	90	62	56	40	64	53	34	21
6	37	26	8	-12	32	28	70	49	48	43	80	65	78	66	82	61	91	64	56	36	50	36	21	4
7	31	8	13	5	28	18	74	44	59	48	77	54	92	64	88	62	96	67	60	33	68	29	10	2
8	8	-4	17	9	30	7	76	58	61	47	78	48	80	63	90	66	91	67	70	35	71	38	16	-1
9	5	-8	21	11	38	7	68	44	72	49	92	57	80	59	85	64	89	65	75	52	65	40	13	-1
10	7	-12	25	14	40	18	56	38	84	46	96	70	76	56	83	64	88	65	70	47	62	42	31	2
11	17	5	29	20	34	30	66	35	83	62	94	69	78	58	91	64	90	72	76	49	42	34	36	26
12	22	13	26	24	33	28	64	42	65	51	83	60	94	66	87	64	87	73	60	43	52	34	44	28
13	22	6	24	18	35	33	60	37	72	49	90	58	84	68	92	71	80	59	59	40	52	28	34	24
14	18	3	19	6	36	25	50	42	78	48	94	68	86	66	92	72	79	54	56	38	36	20	42	20
15	19	-1	19	0	38	25	50	42	74	47	100	70	91	66	78	64	82	60	64	38	36	24	44	22
16	12	-10	14	-6	36	26	48	42	71	48	104	79	91	69	85	63	85	62	55	32	34	31	36	24
17	13	-13	13	-8	33	22	45	40	72	51	91	68	94	73	91	68	68	54	68	38	36	29	40	15
18	17	2	19	-6	56	24	42	35	81	56	87	62	91	74	79	60	90	67	61	42	40	21	44	26
19	12	-2	23	-4	44	30	42	33	88	65	92	63	90	70	80	52	79	56	75	36	22	11	35	32
20	11	-8	20	-5	53	28	40	30	73	56	73	59	86	70	80	54	58	51	83	41	16	16	32	18
21	13	-3	20	-4	60	29	58	31	78	50	78	53	88	70	90	66	70	46	85	53	21	15	42	18
22	26	4	35	5	56	36	46	42	66	58	69	61	73	61	92	70	72	45	62	40	32	21	39	26
23	28	16	34	23	44	32	64	42	77	63	82	64	81	56	94	71	75	47	53	32	33	24	35	11
24	31	20	37	22	40	28	50	43	92	64	91	69	80	58	87	70	83	53	66	34	48	22	16	-4
25	25	-4	23	10	42	24	67	46	94	72	94	75	92	65	90	69	79	50	56	38	37	30	33	12
26	8	-4	22	0	54	25	67	40	87	68	90	71	86	68	90	70	80	50	61	32	33	23	29	15
27	12	-6	32	22	74	48	70	47	85	66	88	66	94	64	88	70	72	51	60	39	31	13	36	11
28	12	-4	29	8	66	42	69	53	83	64	95	71	91	62	78	62	74	44	60	30	38	5	36	29
29	15	-6			62	36	60	52	78	61	96	72	89	67	80	56	62	52	74	43	43	29	24	8
30	21	0			84	36	61	51	83	58	98	74	93	63	82	56	67	50	70	47	34	20	10	5
31	16	-5			65	56			76	58			86	63	80	56			51	41			7	4
AV.	19	2	22	5	43	24	60	42	74	53	87	63	87	66	85	63	81	58	65	40	46	29	30	14
MEAN	10.2		13.3		33.4		51.2		63.5		75.3		76.3		73.7		69.6		52.6		37.4		22.3	
STA AV	28	9	35	16	47	26	62	39	74	52	82	60	87	65	83	62	74	52	64	42	46	27	32	18

Station Averages: 15 yr beginning 1964.
Notes: Data are taken from hygrothermograph charts. Recording period is from 0001 to 2400 for the date shown.

1979 DAILY AIR TEMPERATURE (DEGREES F) TREYNOR, IOWA WATERSHED 3

Day	Jan max	Jan min	Feb max	Feb min	Mar max	Mar min	Apr max	Apr min	May max	May min	Jun max	Jun min	Jul max	Jul min	Aug max	Aug min	Sep max	Sep min	Oct max	Oct min	Nov max	Nov min	Dec max	Dec min
1	2	-8	12	-16	34	24	35	30	70	38	79	45	81	64	85	61	83	67	71	54	44	28	25	10
2	4	-8	13	0	40	32	40	29	56	44	87	54	87	64	87	65	88	67	76	44	52	28	33	8
3	16	-5	12	-6	34	24	38	27	55	35	90	59	95	73	89	67	90	66	67	46	50	27	51	25
4	5	-1	2	-12	28	20	51	26	65	35	89	65	80	65	95	73	88	67	60	38	58	34	61	27
5	4	-8	12	-12	36	24	46	19	76	46	89	59	75	62	98	73	92	68	73	38	50	34	54	30
6	16	-5	27	-3	44	28	40	20	86	54	88	65	67	57	96	73	82	66	65	42	34	25	46	25
7	7	-4	7	-9	35	20	86	29	80	63	90	67	73	62	96	75	76	51	60	46	40	25	42	22
8	18	-8	7	-9	32	16	52	34	80	55	71	53	81	63	95	71	80	58	74	50	35	24	29	16
9	17	2	11	-13	42	18	49	30	80	46	65	53	85	63	94	70	87	58	56	38	34	26	52	26
10	15	1	20	1	20	8	50	30	50	40	79	48	90	67	76	65	90	64	64	36	36	18	60	34
11	14	4	25	7	43	14	52	38	58	37	86	57	91	67	77	55	86	60	76	52	47	26	47	13
12	20	10	19	7	50	26	50	40	72	35	95	59	89	71	81	55	71	54	59	30	38	23	26	7
13	10	-10	23	11	46	28	64	34	76	45	92	61	95	73	79	61	68	49	52	22	50	20	37	13
14	0	-14	33	27	46	14	64	38	72	50	100	68	90	68	67	56	65	45	62	34	51	26	43	17
15	12	-13	31	-10	36	8	68	36	77	46	94	72	86	67	62	55	77	43	72	45	58	36	52	13
16	18	0	-5	-17	55	29	70	45	83	55	92	72	81	64	74	58	79	47	74	50	64	28	13	-1
17	26	4	8	-15	50	41	76	50	91	64	76	58	79	60	92	70	83	50	73	46	70	36	31	-2
18	30	6	18	3	64	46	76	52	72	53	76	63	80	55	90	72	79	53	72	52	62	44	53	20
19	35	16	38	5	50	34	74	56	73	50	90	62	84	58	88	70	79	46	70	48	62	41	57	34
20	24	14	35	20	53	34	63	45	71	50	87	59	86	63	86	66	81	53	86	58	42	35	53	30
21	25	13	30	16	48	35	66	40	70	44	94	64	89	65	78	67	69	44	64	42	44	39	54	28
22	34	13	38	27	52	35	74	42	85	50	82	64	87	68	86	66	73	42	42	33	39	26	43	24
23	23	-2	32	13	35	24	70	44	70	50	69	56	82	69	78	63	82	49	48	28	38	20	38	30
24	15	-8	22	5	36	19	68	52	72	45	74	52	83	70	83	55	78	59	60	30	46	25	31	26
25	26	3	29	5	45	19	58	38	78	45	78	57	86	70	78	61	85	56	58	38	48	28	36	23
26	22	18	35	12	37	22	67	37	83	57	87	61	89	65	76	64	83	50	64	38	47	33	50	25
27	18	6	39	26	44	20	53	34	79	53	85	66	91	67	74	60	86	63	68	48	42	24	47	30
28	6	-2	37	27	70	38	58	34	91	53	89	68	83	67	87	58	78	56	70	37	23	18	33	28
29	4	-8			70	36	55	39	93	63	85	66	89	67	90	66	86	50	68	42	27	16	34	30
30	6	0			47	35	58	40	74	56	88	62	87	69	92	67	84	52	62	50	38	18	37	32
31	6	-9			46	32			72	51			79	67	90	72			60	38			33	30
AV.	15	0	22	3	44	26	59	37	75	49	85	61	85	65	84	65	81	55	66	42	46	28	42	22
MEAN	7.8		12.5		35.1		48.0		61.6		72.7		75.0		74.7		68.1		53.9		36.8		31.9	
STA AV	27	8	34	15	47	26	62	39	74	52	82	60	87	65	83	62	74	52	64	42	46	27	33	18

Station Averages: 16 yr beginning 1964.
Notes: Data are taken from hygrothermograph charts. Recording period is from 0001 to 2400 for the date shown.

1978 DAILY PRECIPITATION (INCHES) TREYNOR, IOWA WATERSHED 3

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.18	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.01
2	0.0	0.0	0.24	0.03	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.25
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.05
6	0.0	0.0	0.0	0.0	1.36	0.0	0.82	0.0	0.0	0.0	0.0	0.0
7	0.0	0.04	0.05	0.33	0.52	0.0	0.0	0.0	0.0	0.0	0.0	0.04
8	0.0	0.0	0.0	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	1.33	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.0	0.0	0.0
11	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0
12	0.0	0.13	0.0	0.0	0.02	0.0	0.16	0.0	0.0	0.0	0.17	0.0
13	0.0	0.16	0.32	0.0	0.0	0.0	0.0	0.0	2.98	0.0	0.02	0.0
14	0.0	0.0	0.0	0.60	0.0	0.0	0.02	0.15	0.01	0.02	0.0	0.0
15	0.01	0.0	0.0	0.10	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.70	0.0
17	0.0	0.0	0.0	1.26	0.0	0.0	0.0	0.0	0.86	0.0	0.22	0.0
18	0.05	0.0	0.0	0.20	0.0	0.0	0.23	0.04	0.06	0.0	0.0	0.0
19	0.0	0.02	0.0	0.0	1.42	1.40	0.0	0.0	1.22	0.0	0.0	0.0
20	0.0	0.07	0.0	0.0	0.0	0.07	0.51	0.0	0.97	0.0	0.0	0.02
21	0.0	0.0	0.0	0.0	0.0	0.06	2.72	0.0	0.0	0.0	0.0	0.0
22	0.0	0.04	0.0	0.28	0.0	0.39	1.47	0.0	0.0	0.59	0.04	0.0
23	0.0	0.0	0.0	0.01	0.08	0.0	0.0	0.0	0.0	0.0	0.05	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0
26	0.0	0.0	0.0	0.0	0.07	0.20	0.0	0.27	0.0	0.0	0.10	0.0
27	0.0	0.0	0.0	0.01	0.07	0.01	0.0	0.58	0.0	0.0	0.0	0.0
28	0.0	0.04	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.12	0.0	0.0	0.0	0.12	0.0	0.0	0.0
30	0.07		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.79		0.81	0.0		0.11		0.05
TOTAL	0.13	0.69	0.65	4.69	5.30	2.13	6.90	3.07	6.22	0.79	1.53	0.42
STA AV	0.55	0.60	1.45	3.23	4.84	4.60	3.53	3.67	4.47	2.65	1.44	0.80

Gaging: Arithmetic average from stations 113 and 114 before April 5 and after November 13; Thiessen weighted average from rain gages 112, 113, and 114 for remainder of year.
Station Averages: 15 yr beginning 1964.

1979 DAILY PRECIPITATION (INCHES) TREYNOR, IOWA WATERSHED 3

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.19	0.12	0.0	0.0	0.0	0.87	0.0	0.0	0.0
2	0.0	0.0	0.25	0.0	0.89	0.0	0.0	0.11	0.0	0.0	0.0	0.0
3	0.0	0.0	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.04	0.0	0.0	0.07	0.0	0.49	0.30	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.0	0.69	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	1.52	0.0	0.0	0.06
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.06	0.53	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.55	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.16	0.01	0.03	0.0	0.0	0.0	0.01	0.0
11	0.05	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
12	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.0
13	0.26	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0
15	0.0	0.03	0.0	0.0	0.0	0.0	1.14	0.28	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.07	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	1.86	0.0	0.73	0.35	0.0	0.60	0.0	0.31	0.0	0.0
19	0.39	0.0	0.0	0.0	0.0	0.98	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.06	0.0	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0
21	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.22	0.0	0.96	0.67	0.0
22	0.01	0.07	1.11	0.0	0.0	0.22	0.0	0.03	0.0	1.16	0.01	0.0
23	0.02	0.0	0.0	0.0	0.0	0.24	1.01	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0
25	0.07	0.0	0.0	0.75	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0
26	0.17	0.0	0.0	0.03	0.02	0.0	0.0	0.19	0.0	0.0	0.0	0.0
27	0.02	0.0	0.0	0.0	0.0	0.11	0.13	0.01	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.42	0.0	0.09	0.09	0.48	0.0	0.0	0.0	0.0
29	0.0		0.06	0.0	0.0	0.0	0.41	0.0	0.0	0.0	0.0	0.17
30	0.02		0.0	0.0	0.0	0.0	0.84	0.0	0.0	1.48	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	1.18	0.23	4.12	2.25	1.52	2.87	5.07	2.47	3.26	3.91	1.72	0.24
STA AV	0.59	0.57	1.62	3.17	4.66	4.50	3.63	3.59	4.39	2.73	1.45	0.77

Gaging: Arithmetic average from stations 113 and 114 before April 5 and after November 5; Thiessen weighted average from rain gages 112, 113, and 114 for remainder of year.
Station Averages: 16 yr beginning 1964.

1978 MEAN DAILY DISCHARGE (CFS) TREYNOR, IOWA WATERSHED 3

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.105	0.073	0.071	0.094	0.137	0.171	0.154	0.137	0.075	0.099	0.073	0.064
2	0.104	0.073	0.071	0.094	0.135	0.166	0.151	0.126	0.073	0.094	0.073	0.064
3	0.094	0.067	0.068	0.094	0.134	0.163	0.152	0.126	0.070	0.094	0.073	0.067
4	0.094	0.064	0.064	0.095	0.131	0.160	0.150	0.123	0.073	0.094	0.073	0.074
5	0.094	0.064	0.064	0.108	0.129	0.163	0.147	0.121	0.073	0.094	0.073	0.073
6	0.094	0.064	0.063	0.098	0.150	0.164	0.159	0.117	0.070	0.092	0.073	0.070
7	0.091	0.064	0.062	0.097	0.157	0.162	0.153	0.112	0.069	0.092	0.073	0.064
8	0.083	0.064	0.062	0.096	0.159	0.162	0.148	0.111	0.069	0.089	0.071	0.064
9	0.083	0.064	0.063	0.123	0.161	0.160	0.148	0.110	0.069	0.083	0.069	0.064
10	0.083	0.064	0.064	0.111	0.157	0.161	0.142	0.113	0.068	0.083	0.064	0.064
11	0.083	0.064	0.069	0.110	0.155	0.160	0.142	0.105	0.067	0.083	0.065	0.064
12	0.083	0.064	0.080	0.110	0.155	0.161	0.142	0.101	0.064	0.083	0.071	0.064
13	0.083	0.064	0.159	0.110	0.155	0.158	0.140	0.101	0.185	0.083	0.073	0.068
14	0.083	0.064	0.378	0.121	0.155	0.155	0.139	0.103	0.080	0.083	0.073	0.073
15	0.083	0.064	0.519	0.117	0.155	0.155	0.128	0.111	0.079	0.079	0.066	0.073
16	0.083	0.065	0.589	0.117	0.155	0.151	0.125	0.096	0.079	0.083	0.064	0.073
17	0.083	0.064	0.401	0.153	0.155	0.147	0.124	0.092	0.093	0.083	0.073	0.073
18	0.083	0.064	1.954	0.160	0.151	0.151	0.124	0.094	0.090	0.080	0.070	0.073
19	0.083	0.064	1.318	0.163	0.629	0.162	0.116	0.092	0.121	0.079	0.064	0.073
20	0.075	0.064	0.574	0.163	0.167	0.163	0.123	0.092	0.149	0.075	0.064	0.073
21	0.073	0.061	0.162	0.159	0.164	0.156	0.147	0.089	0.102	0.073	0.064	0.073
22	0.073	0.061	0.108	0.163	0.171	0.161	0.332	0.087	0.102	0.084	0.069	0.073
23	0.073	0.062	0.102	0.159	0.180	0.163	0.143	0.083	0.101	0.083	0.069	0.073
24	0.073	0.066	0.100	0.155	0.175	0.163	0.141	0.092	0.100	0.078	0.064	0.073
25	0.073	0.066	0.105	0.152	0.167	0.163	0.138	0.085	0.101	0.073	0.070	0.073
26	0.073	0.067	0.104	0.152	0.166	0.168	0.130	0.082	0.101	0.073	0.073	0.073
27	0.073	0.068	0.102	0.149	0.171	0.163	0.126	0.095	0.100	0.073	0.070	0.073
28	0.073	0.069	0.099	0.147	0.567	0.163	0.125	0.083	0.100	0.073	0.064	0.073
29	0.073		0.099	0.147	0.179	0.154	0.131	0.080	0.099	0.073	0.070	0.073
30	0.073		0.099	0.147	0.166	0.152	0.128	0.079	0.097	0.073	0.064	0.073
31	0.073		0.096		0.857		0.142	0.078		0.075		0.073
MEAN	0.0823	0.0651	0.2539	0.1288	0.2079	0.1601	0.1449	0.1005	0.0906	0.0825	0.0691	0.0703
INCHES	0.567	0.405	1.751	0.860	1.433	1.068	0.999	0.693	0.605	0.569	0.461	0.485
STA AV	0.369	0.525	0.673	0.514	0.740	0.893	0.581	0.399	0.381	0.432	0.412	0.410

Station Averages: 15 yr beginning 1964.
Conversion Factor: CFS to IN/DAY, multiply by 0.222446.

1979 MEAN DAILY DISCHARGE (CFS) TREYNOR, ICWA WATERSHED 3

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.073	0.064	0.216	0.130	0.148	0.140	0.113	0.081	0.088	0.051	0.073	0.095
2	0.065	0.064	2.475	0.131	0.163	0.139	0.110	0.086	0.074	0.047	0.073	0.094
3	0.064	0.064	2.521	0.131	0.153	0.141	0.106	0.084	0.073	0.044	0.073	0.094
4	0.064	0.064	0.138	0.133	0.163	0.149	0.113	0.078	0.069	0.047	0.073	0.094
5	0.064	0.065	0.103	0.131	0.163	0.139	0.106	0.079	0.070	0.047	0.095	0.094
6	0.064	0.059	1.740	0.131	0.153	0.141	0.107	0.080	0.299	0.047	0.083	0.094
7	0.064	0.061	0.337	0.131	0.155	0.141	0.108	0.079	0.071	0.044	0.083	0.094
8	0.064	0.064	0.115	0.131	0.155	0.139	0.114	0.072	0.071	0.040	0.083	0.094
9	0.064	0.064	0.437	0.133	0.155	0.142	0.100	0.070	0.069	0.043	0.083	0.094
10	0.064	0.064	0.159	0.133	0.160	0.135	0.093	0.083	0.069	0.043	0.086	0.094
11	0.064	0.064	1.243	0.136	0.159	0.132	0.092	0.079	0.069	0.042	0.089	0.090
12	0.064	0.064	1.274	0.131	0.152	0.128	0.092	0.074	0.078	0.043	0.089	0.089
13	0.064	0.064	0.363	0.135	0.149	0.125	0.089	0.077	0.074	0.043	0.086	0.089
14	0.064	0.064	0.116	0.147	0.149	0.126	0.092	0.081	0.071	0.043	0.083	0.089
15	0.064	0.064	0.107	0.147	0.151	0.124	0.108	0.091	0.069	0.043	0.083	0.087
16	0.064	0.064	0.108	0.139	0.150	0.131	0.094	0.089	0.067	0.043	0.083	0.083
17	0.064	0.064	0.128	0.131	0.151	0.131	0.090	0.085	0.064	0.045	0.083	0.083
18	0.064	0.064	2.735	0.131	0.165	0.140	0.090	0.089	0.061	0.053	0.083	0.083
19	0.064	0.064	0.334	0.131	0.151	0.146	0.090	0.088	0.061	0.051	0.083	0.083
20	0.064	0.064	0.136	0.137	0.147	0.124	0.089	0.079	0.060	0.047	0.087	0.083
21	0.064	0.060	0.131	0.131	0.147	0.123	0.089	0.087	0.061	0.055	0.101	0.083
22	0.064	0.064	0.220	0.131	0.147	0.128	0.087	0.084	0.060	0.081	0.094	0.083
23	0.064	0.065	0.149	0.131	0.147	0.126	0.097	0.079	0.052	0.060	0.094	0.083
24	0.064	0.062	0.135	0.131	0.151	0.116	0.088	0.079	0.054	0.059	0.094	0.083
25	0.064	0.061	0.131	0.144	0.150	0.116	0.081	0.081	0.054	0.059	0.094	0.083
26	0.064	0.066	0.131	0.139	0.147	0.116	0.079	0.084	0.052	0.059	0.094	0.083
27	0.064	0.084	0.131	0.139	0.144	0.117	0.082	0.083	0.052	0.058	0.094	0.083
28	0.064	0.233	0.126	0.143	0.144	0.116	0.084	0.085	0.052	0.058	0.094	0.083
29	0.064		0.125	0.147	0.139	0.112	0.084	0.079	0.052	0.057	0.097	0.083
30	0.064		0.124	0.147	0.147	0.112	0.096	0.076	0.053	0.080	0.099	0.083
31	0.064		0.124		0.141		0.081	0.074		0.071		0.083
MEAN	0.0642	0.0704	0.5261	0.1354	0.1515	0.1298	0.0949	0.0812	0.0723	0.0517	0.0870	0.0876
INCHES	0.444	0.438	3.628	0.904	1.045	0.866	0.654	0.560	0.482	0.356	0.580	0.604
SIA AV	0.374	0.520	0.858	0.538	0.760	0.891	0.585	0.409	0.387	0.427	0.423	0.422

Station Averages: 16 yr beginning 1964.
Conversion Factor: CFS to IN/DAY, multiply by 0.222446.

1979 SELECTED RUNOFF EVENT TREYNOR, ICWA WATERSHED 3

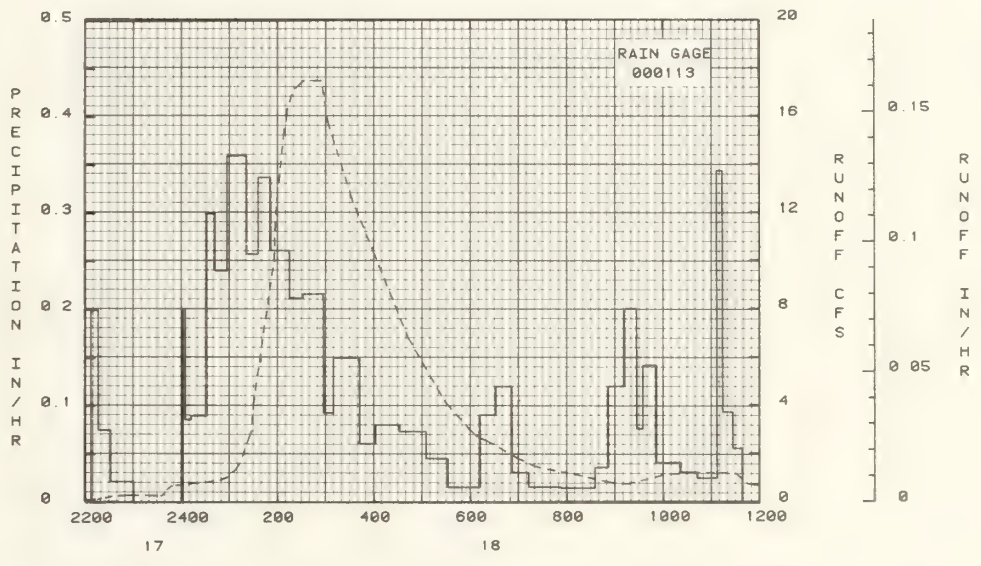
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 17 - 18, 1979							
RG 000113			RG 000113							
3-17	0.17	0.022	3-17	2207	0.0	0.0	3-17	2200	0.105	0.0
				2216	0.2000	0.03		2212	0.147	0.0002
				2232	0.0750	0.05		2216	0.163	0.0003
				2300	0.0214	0.06		2220	0.179	0.0004
			3-18	2	0.0	0.06		2225	0.214	0.0006
WATERSHED CONDITIONS:										
86% corn, residue and stalks				5	0.2000	0.07		2233	0.273	0.0009
left from harvest, cattle				12	0.0857	0.08		2249	0.318	0.0016
gleaning area. 14% grassed				32	0.0900	0.11		2306	0.318	0.0025
waterway, roads & farmsteads.				42	0.3000	0.16		2319	0.295	0.0031
				57	0.2400	0.22		2330	0.273	0.0036
				112	0.3600	0.31		2334	0.273	0.0037
				122	0.3600	0.37		2338	0.368	0.0039
				136	0.2571	0.43		2342	0.547	0.0042
				152	0.3375	0.52		2347	0.692	0.0047
				215	0.2609	0.62		2353	0.731	0.0053
				232	0.2118	0.68		2400	0.731	0.0061
				257	0.2160	0.77	3-18	13	0.814	0.0077
				310	0.0923	0.79		31	0.858	0.0100
				322	0.1500	0.82		50	0.950	0.0127
				342	0.1500	0.87		57	1.049	0.0137
				402	0.0600	0.89		108	1.380	0.0158
				432	0.0800	0.93		113	1.630	0.0170
				505	0.0727	0.97		128	2.990	0.0223
				532	0.0444	0.99		130	4.080	0.0234
				612	0.0150	1.00		156	10.080	0.0518
				632	0.0900	1.03		157	11.355	0.0535
				652	0.1200	1.07		200	12.705	0.0591
				712	0.0300	1.08		208	15.225	0.0763
				752	0.0150	1.09		213	16.350	0.0885
				835	0.0140	1.10		218	16.930	0.1014

Conversion Factor: CFS to IN/HR, multiply by 0.005269.

1979 SELECTED RUNOFF EVENT — TREYNOR, IOWA WATERSHED 3

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 17 - 18, 1979 (CONTINUED)							
			3-18	852	0.0353	1.11	3-18	223	17.220	0.1146
				912	0.1200	1.15		233	17.510	0.1414
				921	0.2000	1.18		255	17.510	0.2009
				927	0.2000	1.20		303	15.770	0.2215
				935	0.0750	1.21		334	12.480	0.2891
				952	0.1412	1.25		403	10.080	0.3396
				1022	0.0400	1.27		443	6.750	0.3917
				1042	0.0300	1.28		530	4.080	0.4312
				1107	0.0240	1.29		558	3.035	0.4466
				1114	0.3429	1.33		608	2.710	0.4510
				1127	0.0923	1.35		613	2.620	0.4521
				1138	0.0545	1.36		628	2.387	0.4589
								658	1.805	0.4666
								718	1.470	0.4737
								756	1.200	0.4815
								800	1.200	0.4822
								900	0.731	0.4912
								915	0.731	0.4929
								1000	1.100	0.4992
								1030	1.200	0.5046
								1045	1.200	0.5074
								1130	1.150	0.5155
								1145	0.711	0.5177

Conversion Factor: CFS to IN/HR, multiply by 0.005269.



EVENT OF MARCH 17 - 18, 1979

TREYNOR, IOWA WATERSHED 3

LOCATION: Pottawattamie County, Iowa; approximately 3 miles southwest of Treynor; Silver Creek, West Nishnabotna River, Missouri River Basin. Lat. 41 deg. 12 min. 36 sec. N.; Long. 95 deg. 38 min. 05 sec. W.

AREA: 150.60 acres

MONTHLY PRECIPITATION AND RUNOFF (INCHES) — TREYNOR, IOWA WATERSHED 4

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	0.16	0.69	0.59	4.53	5.24	2.11	6.93	3.14	6.08	0.83	1.44	0.32	32.06
	Q	0.498	0.368	2.376	0.676	1.533	0.805	0.940	0.550	0.725	0.403	0.308	0.372	9.553
1979	P	0.59	0.11	2.09	2.04	1.95	2.87	5.16	2.25	3.44	3.95	1.19	0.11	25.75
	Q	0.399	0.396	4.693	0.690	0.770	0.540	0.569	0.400	0.637	0.318	0.356	0.341	9.971
STA AV	P	0.54	0.56	1.46	3.18	4.62	4.56	3.67	3.59	4.53	2.79	1.42	0.74	31.69
	Q	0.455	0.455	1.010	0.580	0.961	0.985	0.766	0.557	0.609	0.529	0.509	0.483	7.900

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	5-19	0.256	5-19	0.077	5-19	0.105	3-18	0.231	3-18	0.397	3-18	0.591	3-18	0.945	3-14	1.923
1979	9- 6	0.063	3-18	0.057	3-18	0.108	3- 3	0.256	3- 2	0.467	3- 2	0.832	3- 2	1.282	2-27	2.157
MAXIMUMS FOR PERIOD OF RECORD																
	6- 7 1972	0.607	6- 7 1972	0.179	5-10 1971	0.289	5- 5 1972	0.563	5- 5 1972	0.676	5- 5 1972	1.036	5- 5 1972	1.316	2-27 1979	2.157

Watershed Conditions: 73% contoured corn above level terraces which have a capacity of 2 inches of runoff; 23% contoured corn below the bottom terraces; 3% grassed terrace backslopes; 1% gully.
Maps: Topographic - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1972, USDA Misc. Pub. 1412, page 71.4-4.
Precipitation: Records began January 1, 1964. From gage 113 during winter months; Thiessen weighted average of gages 111, 112, and 113 for remainder of year.
Runoff: Records began February 27, 1964. Jan. 1-Feb. 27, 1964 runoff estimated and included in station averages.
Long-Term Precipitation: National Weather Service records at Omaha, Nebraska.

1978 DAILY PRECIPITATION (INCHES) — TREYNOR, IOWA WATERSHED 4

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.18	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.01
2	0.0	0.0	0.17	0.03	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.15
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.05
6	0.0	0.0	0.0	0.0	1.36	0.0	0.84	0.0	0.0	0.0	0.0	0.0
7	0.0	0.04	0.05	0.33	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.03
8	0.0	0.0	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	1.17	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.0	0.0	0.0	0.0
11	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0
12	0.0	0.08	0.0	0.0	0.03	0.0	0.16	0.0	0.0	0.0	0.15	0.0
13	0.0	0.18	0.34	0.0	0.0	0.0	0.0	0.0	2.83	0.0	0.02	0.0
14	0.0	0.0	0.0	0.58	0.0	0.0	0.02	0.16	0.01	0.02	0.0	0.0
15	0.01	0.0	0.0	0.10	0.0	0.0	0.0	0.73	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.0
17	0.0	0.0	0.0	1.22	0.0	0.0	0.0	0.0	0.85	0.0	0.26	0.0
18	0.07	0.0	0.0	0.26	0.0	0.0	0.31	0.03	0.07	0.0	0.0	0.0
19	0.0	0.01	0.0	0.0	1.51	1.40	0.0	0.0	1.24	0.0	0.0	0.0
20	0.0	0.09	0.0	0.0	0.0	0.07	0.53	0.0	0.97	0.0	0.0	0.03
21	0.0	0.0	0.0	0.0	0.0	0.06	2.49	0.0	0.0	0.0	0.0	0.0
22	0.0	0.06	0.0	0.26	0.0	0.34	1.68	0.0	0.0	0.62	0.04	0.0
23	0.0	0.0	0.0	0.01	0.11	0.0	0.0	0.0	0.0	0.0	0.06	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0
26	0.0	0.0	0.0	0.0	0.04	0.23	0.0	0.25	0.0	0.0	0.09	0.0
27	0.0	0.0	0.0	0.01	0.07	0.01	0.0	0.73	0.0	0.0	0.0	0.0
28	0.0	0.04	0.0	0.0	0.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.10	0.0	0.0	0.0	0.11	0.0	0.0	0.0
30	0.08		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.71		0.74	0.0		0.12		0.05
TOTAL	0.16	0.69	0.59	4.53	5.24	2.11	6.93	3.14	6.08	0.83	1.44	0.32
STA AV	0.54	0.59	1.42	3.26	4.80	4.68	3.57	3.68	4.61	2.72	1.43	0.79

Air Temperature: See table for Watershed 3 (71.003).
Gaging: Thiessen weighted average from stations 111, 112 and 113 for period of April 5 through November 13, and from 113 for remainder of year.
Station Averages: 15 yr beginning 1964.

1979 DAILY PRECIPITATION (INCHES) TREYNOR, IOWA WATERSHED 4

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.08	0.12	0.0	0.0	0.0	0.98	0.0	0.0	0.0
2	0.0	0.0	0.13	0.0	0.89	0.0	0.0	0.12	0.0	0.0	0.0	0.0
3	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.02	0.0	0.0	0.03	0.0	0.49	0.29	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.00	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	1.62	0.0	0.0	0.03
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.05	0.54	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.56	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.17	0.03	0.04	0.0	0.0	0.0	0.0	0.0
11	0.03	0.0	0.0	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0
13	0.13	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.0	0.0	0.0	0.0	0.0
15	0.0	0.01	0.0	0.0	0.0	0.0	1.18	0.29	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.03	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.93	0.0	0.75	0.31	0.0	0.50	0.0	0.30	0.0	0.0
19	0.19	0.0	0.0	0.0	0.0	1.03	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.03	0.0	0.53	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0
21	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.26	0.0	0.91	0.35	0.0
22	0.01	0.04	0.57	0.0	0.0	0.24	0.0	0.07	0.0	1.29	0.0	0.0
23	0.01	0.0	0.0	0.0	0.0	0.22	0.96	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0
25	0.02	0.0	0.0	0.82	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0
26	0.08	0.0	0.0	0.02	0.02	0.0	0.0	0.19	0.0	0.0	0.0	0.0
27	0.02	0.0	0.0	0.0	0.0	0.10	0.13	0.01	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.40	0.0	0.09	0.05	0.25	0.0	0.0	0.0	0.0
29	0.0		0.02	0.0	0.0	0.0	0.44	0.0	0.0	0.0	0.00	0.08
30	0.01		0.0	0.0	0.0	0.0	0.90	0.0	0.0	1.45	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	0.59	0.11	2.09	2.04	1.95	2.87	5.16	2.25	3.44	3.95	1.19	0.11
STA AV	0.55	0.56	1.46	3.18	4.62	4.56	3.67	3.59	4.53	3.79	1.42	0.74

Air Temperature: See table for Watersted 3 (71.003).
Gaging: Thiesser weighted average from stations 111, 112 and 113 for period of April 5 through November 5, and from 113 for remainder of year.
Station Averages: 16 yr beginning 1964.

1978 MEAN DAILY DISCHARGE (CFS) TREYNOR, IOWA WATERSHED 4

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.116	0.083	0.083	0.095	0.150	0.449	0.137	0.126	0.094	0.094	0.073	0.064
2	0.116	0.083	0.083	0.099	0.147	0.210	0.127	0.124	0.094	0.094	0.073	0.064
3	0.116	0.083	0.083	0.096	0.147	0.190	0.131	0.121	0.094	0.094	0.070	0.064
4	0.116	0.083	0.083	0.096	0.147	0.181	0.127	0.120	0.094	0.094	0.064	0.061
5	0.116	0.083	0.083	0.103	0.143	0.177	0.126	0.121	0.090	0.094	0.064	0.064
6	0.107	0.083	0.083	0.098	0.241	0.181	0.143	0.116	0.090	0.094	0.064	0.064
7	0.105	0.083	0.080	0.100	0.274	0.181	0.124	0.112	0.090	0.094	0.064	0.064
8	0.105	0.083	0.078	0.102	0.246	0.175	0.119	0.111	0.085	0.094	0.064	0.073
9	0.105	0.083	0.078	0.132	0.221	0.174	0.116	0.112	0.081	0.094	0.064	0.083
10	0.105	0.083	0.080	0.120	0.213	0.167	0.120	0.126	0.082	0.094	0.064	0.083
11	0.105	0.083	0.085	0.112	0.212	0.157	0.124	0.116	0.075	0.094	0.064	0.083
12	0.105	0.083	0.088	0.110	0.203	0.153	0.124	0.111	0.073	0.094	0.065	0.083
13	0.105	0.083	0.162	0.110	0.192	0.151	0.124	0.112	1.140	0.088	0.064	0.083
14	0.105	0.083	0.665	0.116	0.188	0.148	0.122	0.112	0.104	0.080	0.064	0.083
15	0.105	0.083	0.978	0.110	0.183	0.147	0.120	0.130	0.094	0.075	0.064	0.083
16	0.105	0.083	1.089	0.111	0.179	0.144	0.118	0.112	0.091	0.073	0.064	0.083
17	0.105	0.083	0.912	0.358	0.177	0.141	0.111	0.112	0.126	0.073	0.064	0.083
18	0.105	0.083	2.517	0.174	0.174	0.134	0.113	0.110	0.089	0.073	0.064	0.083
19	0.105	0.083	3.104	0.167	1.485	0.183	0.111	0.105	0.362	0.073	0.064	0.083
20	0.105	0.083	1.855	0.178	0.591	0.209	0.122	0.105	0.545	0.073	0.064	0.083
21	0.102	0.083	1.000	0.175	0.218	0.144	0.262	0.101	0.120	0.073	0.064	0.083
22	0.094	0.081	0.831	0.179	0.214	0.154	1.901	0.099	0.103	0.080	0.064	0.083
23	0.094	0.078	0.187	0.171	0.212	0.150	0.198	0.094	0.097	0.073	0.064	0.078
24	0.087	0.083	0.181	0.167	0.200	0.143	0.141	0.109	0.094	0.073	0.064	0.073
25	0.083	0.083	0.176	0.163	0.196	0.135	0.139	0.100	0.094	0.073	0.064	0.073
26	0.083	0.083	0.167	0.163	0.195	0.142	0.140	0.099	0.094	0.073	0.064	0.073
27	0.083	0.083	0.139	0.163	0.189	0.139	0.139	0.174	0.094	0.073	0.064	0.073
28	0.083	0.083	0.113	0.163	1.364	0.139	0.133	0.094	0.094	0.073	0.064	0.073
29	0.090		0.107	0.163	0.233	0.139	0.131	0.094	0.094	0.073	0.064	0.073
30	0.094		0.104	0.159	0.197	0.135	0.126	0.094	0.094	0.070	0.064	0.073
31	0.086		0.099		0.927		0.156	0.094		0.070		0.073
MEAN	0.1012	0.0827	0.4830	0.1419	0.3117	0.1691	0.1911	0.1118	0.1523	0.0820	0.0648	0.0756
INCHES	0.498	0.368	2.376	0.676	1.533	0.805	0.940	0.550	0.725	0.403	0.308	0.372
STA AV	0.462	0.459	0.772	0.572	0.974	1.015	0.779	0.568	0.607	0.543	0.515	0.492

Station Averages: 15 yr beginning 1964.
Conversion Factor: CFS to IN/DAY, multiply by 0.158678.

1979	MEAN DAILY DISCHARGE (CFS)					TREYNOR, IOWA WATERSHED 4						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.073	0.073	0.381	0.176	0.148	0.118	0.105	0.094	0.123	0.070	0.055	0.073
2	0.073	0.069	2.783	0.169	0.228	0.120	0.105	0.096	0.083	0.070	0.070	0.073
3	0.073	0.064	4.501	0.163	0.228	0.114	0.105	0.092	0.083	0.073	0.066	0.072
4	0.073	0.064	1.266	0.165	0.223	0.121	0.108	0.089	0.083	0.069	0.064	0.068
5	0.073	0.064	0.294	0.165	0.208	0.120	0.105	0.089	0.084	0.068	0.090	0.068
6	0.073	0.064	2.279	0.161	0.196	0.116	0.105	0.086	1.542	0.064	0.075	0.067
7	0.073	0.064	1.372	0.163	0.181	0.114	0.105	0.083	0.105	0.064	0.073	0.068
8	0.073	0.064	0.151	0.151	0.179	0.116	0.114	0.083	0.097	0.064	0.073	0.068
9	0.073	0.064	0.634	0.147	0.175	0.120	0.103	0.084	0.094	0.064	0.070	0.068
10	0.073	0.064	0.231	0.147	0.170	0.116	0.101	0.082	0.089	0.064	0.068	0.072
11	0.073	0.064	1.582	0.155	0.163	0.112	0.099	0.078	0.089	0.061	0.068	0.073
12	0.073	0.056	1.853	0.151	0.163	0.108	0.096	0.076	0.093	0.059	0.068	0.073
13	0.073	0.060	1.027	0.147	0.161	0.107	0.096	0.080	0.091	0.059	0.066	0.073
14	0.073	0.064	0.280	0.144	0.149	0.106	0.094	0.083	0.089	0.059	0.064	0.073
15	0.073	0.064	0.124	0.139	0.147	0.105	0.316	0.086	0.089	0.057	0.061	0.073
16	0.073	0.064	0.222	0.135	0.143	0.105	0.107	0.083	0.089	0.055	0.059	0.073
17	0.073	0.064	0.310	0.131	0.136	0.105	0.101	0.083	0.086	0.055	0.059	0.073
18	0.073	0.062	4.673	0.131	0.157	0.115	0.096	0.087	0.080	0.059	0.059	0.073
19	0.073	0.055	1.672	0.131	0.147	0.166	0.096	0.087	0.080	0.056	0.059	0.073
20	0.073	0.057	0.225	0.137	0.144	0.114	0.096	0.076	0.080	0.055	0.061	0.073
21	0.073	0.056	0.165	0.127	0.135	0.105	0.093	0.079	0.080	0.063	0.224	0.073
22	0.073	0.059	0.783	0.110	0.131	0.106	0.094	0.076	0.080	0.087	0.088	0.070
23	0.073	0.064	0.452	0.105	0.131	0.111	0.104	0.073	0.075	0.069	0.080	0.068
24	0.073	0.064	0.272	0.110	0.131	0.110	0.105	0.073	0.083	0.064	0.078	0.066
25	0.073	0.064	0.245	0.141	0.131	0.110	0.091	0.073	0.083	0.061	0.078	0.064
26	0.073	0.071	0.215	0.147	0.131	0.110	0.091	0.075	0.078	0.057	0.075	0.064
27	0.073	0.191	0.205	0.147	0.131	0.111	0.092	0.073	0.072	0.055	0.073	0.064
28	0.073	0.664	0.202	0.153	0.131	0.111	0.094	0.077	0.073	0.055	0.073	0.064
29	0.073		0.194	0.151	0.122	0.107	0.109	0.078	0.072	0.055	0.073	0.064
30	0.073		0.180	0.147	0.116	0.105	0.359	0.076	0.072	0.117	0.073	0.064
31	0.073		0.173		0.116		0.100	0.075		0.077		0.064
MEAN	0.0730	0.0892	0.9338	0.1449	0.1565	0.1135	0.1157	0.0814	0.1338	0.0647	0.0748	0.0694
INCHES	0.355	0.396	4.593	0.690	0.770	0.540	0.569	0.400	0.637	0.318	0.356	0.341
STA AV	0.455	0.455	1.010	0.580	0.961	0.985	0.766	0.557	0.609	0.529	0.509	0.483

Station Averages: 16 yr beginning 1964.
Conversion Factor: CFS to IN/DAY, multiply by 0.158678.

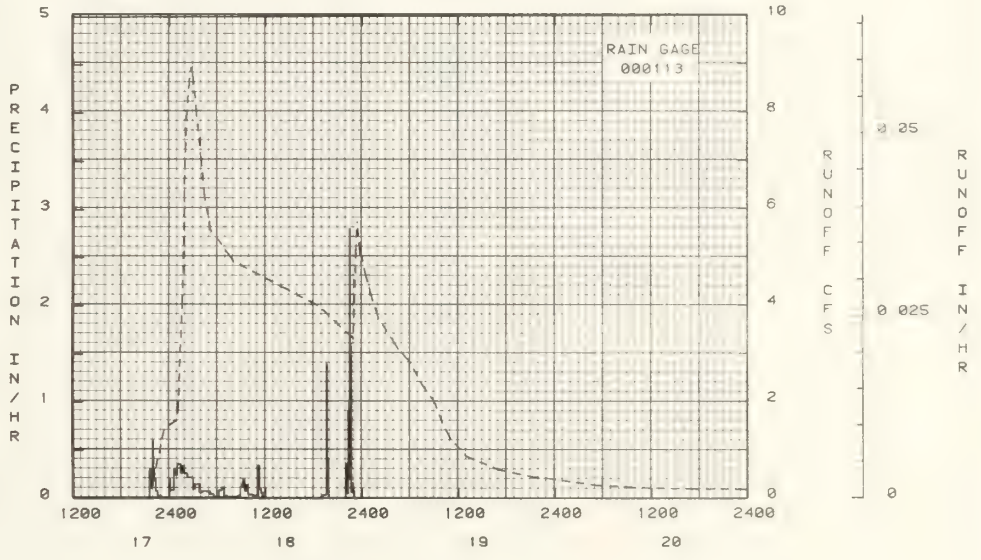
1979	SELECTED RUNOFF EVENT					TREYNOR, IOWA WATERSHED 4					
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)	
EVENT OF MARCH 17 - 20, 1979											
RG 000113				RG 000113							
3-17	0.17	0.034	3-17	2207	0.0	0.0	3-17	2130	0.233	0.0	
				2216	0.2000	0.03		2145	0.233	0.0004	
				2232	0.0750	0.05		2322	1.440	0.0093	
				2300	0.0214	0.06		2400	1.530	0.0155	
			3-18	2	0.0	0.06	3-18	52	1.630	0.0246	
WATERSHED CONDITIONS:											
89% terraces, corn residue				5	0.2000	0.07		102	1.770	0.0265	
still standing; 10% grassed				12	0.0857	0.08		107	2.000	0.0275	
terrace backslopes, grass				32	0.0900	0.11		137	4.230	0.0378	
just sprouting; 1% gully.				42	0.3000	0.16		152	6.252	0.0465	
				57	0.2400	0.22		157	7.050	0.0501	
				112	0.3600	0.31		202	7.390	0.0541	
				122	0.3600	0.37		212	8.070	0.0626	
				136	0.2571	0.43		227	8.580	0.0764	
				152	0.3375	0.52		241	8.950	0.0899	
				215	0.2609	0.62		242	8.950	0.0909	
				232	0.2118	0.66		257	8.750	0.1055	
				257	0.2160	0.77		322	8.070	0.1287	
				310	0.0923	0.79		357	7.050	0.1579	
				322	0.1500	0.82		427	6.180	0.1797	
				342	0.1500	0.87		512	5.532	0.2088	
				402	0.0600	0.89		557	5.397	0.2359	
				432	0.0800	0.93		801	4.915	0.3063	
				505	0.0727	0.97		1500	4.297	0.5190	
				532	0.0444	0.99		1825	4.000	0.6127	
				612	0.0150	1.00		1915	3.885	0.6344	
				632	0.0900	1.03		2120	3.550	0.6856	
				652	0.1200	1.07		2252	3.320	0.7204	
				712	0.0300	1.08		2255	3.320	0.7215	
				752	0.0150	1.09		2256	3.320	0.7219	
				835	0.0140	1.10		2300	3.770	0.7235	

Conversion Factor: CFS to IN/HR, multiply by 0.006612.

1979 SELECTED RUNOFF EVENT — TREYNOR, IOWA WATERSHED 4

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF MARCH 17 - 20, 1979 (CONTINUED)							
			3-18	852	0.0353	1.11	3-18	2305	4.230	0.7257
				912	0.1200	1.15		2315	5.120	0.7308
				921	0.2000	1.18		2324	5.745	0.7362
				927	0.2000	1.20		2325	[illegible]	[illegible]
				935	0.0750	1.21		2345	[illegible]	0.7487
				952	0.1412	1.25		2400	4.982	0.7570
				1022	0.0400	1.27	3-19	[illegible]	4.915	0.7598
				1042	0.0300	1.28		25	4.640	[illegible]
				1107	0.0240	1.29		105	4.237	0.7858
				1114	0.3429	1.33		205	3.715	[illegible]
				1127	0.0923	1.35		430	3.050	0.8705
				1138	0.0545	1.36		600	2.810	0.8957
				1902	0.0	1.36		730	[illegible]	0.9253
				1920	0.0333	1.37		900	2.000	0.9469
				1935	0.0400	1.38		1000	1.560	0.9586
				1938	1.4000	1.45		1100	1.230	0.9679
				1942	0.1500	1.46		1300	0.858	0.9817
				1945	0.4000	1.48		1700	0.581	1.0007
				1952	0.0857	1.49		2100	0.438	1.0142
				2200	0.0	1.49		2400	0.382	1.0223
				2205	0.3600	1.52	3-20	500	0.263	1.0330
				2218	0.0462	1.53		1000	0.214	1.0408
				2222	0.9000	1.59		1700	0.179	1.0499
				2225	1.0000	1.64		2400	0.171	1.0580
				2228	0.2000	1.65				
				2231	2.8000	1.79				
				2234	0.4000	1.81				
				2237	1.6000	1.89				
				2247	0.0600	1.90				
				2255	0.1500	1.92				
				2304	0.0667	1.93				

Conversion Factor: CFS to IN/HR, multiply by 0.006612.



EVENT OF MARCH 17 - 20, 1979

TREYNOR, IOWA WATERSHED 4

TIFTON, GEORGIA LITTLE RIVER WATERSHED E

LOCATION: Tift County, Georgia; approximately 3 miles west of Tifton on County Road S1983; Little River Watershed, Withlacoochee River Sub-basin, Suwannee River Basin, east weir: Lat. 31 deg. 28 min. 51 sec., Long. 83 deg. 34 min. 56 sec.

AREA: 82592.00 acres 129.05 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED E

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	7.39	2.95	4.23	3.77	6.64	3.24	5.46	4.02	0.91	0.26	5.43	2.48	46.78
1978	Q	4.290	2.292	3.699	1.148	2.475	0.214	0.392	0.135	0.000	0.0	0.001	0.074	14.710
	P	5.62	3.30	1.29	5.25	5.10	2.70	6.48	3.75	6.78	0.27	4.29	2.11	51.94
1979	Q	1.221	4.954	1.653	1.399	0.872	0.420	0.351	0.036	0.408	0.303	0.506	0.594	12.719
STA AV	P	5.10	4.87	4.85	4.61	4.42	4.50	5.92	4.81	3.30	1.70	3.32	3.70	51.10
	Q	2.253	2.896	2.340	2.500	1.231	0.429	0.456	0.321	0.533	0.125	0.286	0.864	14.235

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	1-27	0.026	1-27	0.026	1-27	0.052	1-27	0.155	1-27	0.309	1-27	0.603	1-26	1.152	1-21	2.690
1979	2-26	0.035	2-26	0.035	2-26	0.070	2-25	0.209	2-25	0.413	2-25	0.791	2-25	1.397	2-24	2.644
MAXIMUMS FOR PERIOD OF RECORD																
	2-26	0.035	2-26	0.035	2-26	0.070	2-25	0.209	2-25	0.413	2-25	0.791	2-25	1.397	4- 1	3.467
	1979		1979		1979		1979		1979		1979		1979		1973	

Watershed Conditions: Residential, 1.0%, forest, 39.7%; commercial, 0.4%; water, 1.9%; crops, 35.8%; wetland, 2.5%; pasture, 17.8%; roads, 0.9%.
Maps: Topographic/Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1975, USDA Misc. Pul. 1446, pages 74.002-21 and 74.002-22.
Precipitation: Records began January 1968. Values are weighted using the Reciprocal Distance Squared Method from 28 recording gages. STA AV values are based on 5 yr beginning 1971.
Runoff: Records began November 25, 1971. Station averages include part-year records.
Long-Term Precipitation: National Weather Service records at Tifton, Georgia.

1978 DAILY PRECIPITATION (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED B

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.38	0.0	0.0	0.68	0.0	0.36	0.0	0.0	0.0	0.0	0.01
2	0.0	0.51	0.04	0.0	0.02	0.24	0.17	0.13	0.0	0.0	0.0	0.01
3	0.0	0.0	0.57	0.0	2.02	0.81	0.26	0.79	0.0	0.0	0.0	0.02
4	0.0	0.0	0.0	0.0	0.30	0.01	0.01	0.16	0.11	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.11	0.0	0.09	0.0	0.0	0.04
6	0.01	0.0	0.0	0.0	0.01	0.0	0.28	0.40	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.06	0.03	0.0	0.13	0.0	0.0	0.54	0.01
8	0.88	0.20	1.32	0.0	0.89	0.34	0.0	0.19	0.0	0.0	0.0	0.0
9	0.0	0.07	0.83	0.0	0.86	0.06	0.0	0.03	0.0	0.0	0.0	0.19
10	0.0	0.01	0.0	0.0	0.0	0.12	0.03	0.30	0.02	0.0	0.0	0.0
11	0.0	0.0	0.0	0.07	0.0	0.09	0.0	0.37	0.0	0.0	0.0	0.0
12	0.15	0.0	0.0	0.15	0.0	0.16	1.69	0.64	0.0	0.0	0.0	0.0
13	0.60	0.15	0.0	2.31	0.26	0.0	0.08	0.02	0.0	0.25	0.01	0.0
14	0.0	0.0	1.43	0.01	0.0	0.0	0.0	0.0	0.06	0.01	0.0	0.0
15	0.0	0.0	0.02	0.0	0.0	0.0	1.05	0.0	0.02	0.0	0.0	0.0
16	0.0	0.15	0.0	0.01	0.0	0.0	0.81	0.01	0.01	0.0	0.0	0.0
17	0.22	0.01	0.0	0.0	0.21	0.0	0.01	0.0	0.05	0.0	0.0	0.0
18	0.0	0.73	0.0	0.80	0.0	0.0	0.17	0.0	0.01	0.0	0.0	0.0
19	2.12	0.0	0.0	0.13	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.01	0.0	0.0	0.06	0.0	0.39	0.0	0.0	0.01
21	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.70	0.01	0.0	0.0	0.10
22	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.01	0.0	0.0	0.0	0.0
23	0.0	0.0	0.01	0.0	0.29	0.14	0.0	0.0	0.07	0.0	0.0	0.0
24	0.23	0.0	0.0	0.0	0.28	0.01	0.03	0.0	0.0	0.0	0.0	2.06
25	3.18	0.0	0.0	0.25	0.0	0.57	0.12	0.01	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.71	0.01	0.07	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.01	0.05	0.0	0.0	0.0	1.00	0.0
28	0.0	0.74	0.0	0.02	0.0	0.01	0.0	0.0	0.0	0.0	0.03	0.0
29	0.0		0.0	0.0	0.02	0.58	0.04	0.04	0.06	0.0	3.39	0.01
30	0.0		0.0	0.0	0.01	0.04	0.01	0.03	0.01	0.0	0.46	0.01
31	0.0		0.0		0.0		0.05	0.0		0.0		0.01
TOTAL	7.39	2.95	4.23	3.77	6.64	3.24	5.46	4.02	0.91	0.26	5.43	2.48
STA AV	5.04	4.44	5.30	4.53	4.34	4.73	5.85	4.94	2.87	1.88	3.20	3.90

Gaging: Values are weighted using Reciprocal Distance Squared Method from 28 recording gages.
Station Averages: 8 yr beginning 1971.

In Cooperation with University of Georgia College of Agriculture Experiment Stations, Georgia Institute of Technology, and Middle South Georgia Soil Conservation District

1979	DAILY PRECIPITATION (INCHES)				TIPTON, GEORGIA LITTLE RIVER WATERSHED E							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.05	0.0	0.0	0.0	0.0	0.10	0.01	0.0	0.24	0.0	0.14	0.0
2	1.09	0.01	0.0	0.0	0.0	0.04	0.0	0.01	0.25	0.0	0.65	0.0
3	0.0	0.68	0.0	0.16	0.0	0.02	0.02	0.0	0.07	0.01	0.0	0.0
4	0.0	0.10	0.13	1.51	0.29	0.19	0.01	0.0	0.0	0.08	0.0	0.0
5	0.0	0.04	0.0	0.0	0.24	0.0	0.96	0.05	0.0	0.07	0.0	0.0
6	0.01	2.81	0.0	0.0	0.01	0.07	0.05	0.01	0.0	0.0	0.0	1.19
7	1.31	0.08	0.06	0.0	0.88	0.67	0.69	0.0	0.0	0.01	0.0	0.01
8	0.05	0.0	0.05	0.21	0.02	0.23	0.0	0.01	0.03	0.0	0.0	0.0
9	0.0	0.0	0.0	0.23	0.01	0.0	0.25	0.0	0.0	0.01	0.0	0.0
10	0.0	0.0	0.25	0.01	0.31	0.0	0.15	0.55	0.0	0.04	0.40	0.0
11	0.01	0.0	0.38	0.0	0.03	0.0	0.45	0.89	0.0	0.0	2.15	0.0
12	0.40	0.0	0.0	0.0	0.06	0.0	0.30	0.04	0.83	0.0	0.01	0.0
13	0.04	0.0	0.0	1.04	0.79	0.0	0.17	0.0	0.14	0.0	0.0	0.01
14	0.17	0.0	0.02	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.05
15	0.0	0.01	0.0	0.0	0.0	0.04	0.01	0.0	0.0	0.0	0.0	0.16
16	0.01	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.02	0.0	0.08
17	0.0	0.0	0.0	0.0	0.0	0.0	1.20	0.07	0.04	0.01	0.0	0.0
18	0.0	0.01	0.0	0.0	0.0	0.0	0.10	0.0	0.01	0.0	0.0	0.0
19	0.0	0.15	0.0	0.0	0.01	0.0	0.62	0.0	0.01	0.0	0.0	0.0
20	1.11	0.0	0.0	0.0	0.07	0.31	0.01	0.0	0.0	0.0	0.0	0.0
21	0.02	0.08	0.0	0.0	0.0	0.31	0.20	0.0	0.23	0.0	0.0	0.0
22	0.0	0.48	0.0	0.0	0.0	0.11	0.12	0.0	0.01	0.0	0.0	0.0
23	0.54	0.30	0.40	0.0	0.81	0.48	0.14	0.05	0.0	0.01	0.0	0.01
24	0.01	3.23	0.0	0.15	0.05	0.09	0.05	0.33	0.38	0.01	0.0	0.36
25	0.0	0.30	0.0	1.66	0.0	0.01	0.20	0.46	2.32	0.0	0.72	0.01
26	0.0	0.0	0.0	0.26	0.0	0.0	0.02	0.02	1.25	0.0	0.01	0.01
27	0.52	0.0	0.0	0.01	0.0	0.0	0.0	0.41	0.10	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.09	0.02	0.0	0.01	0.0
29	0.0		0.0	0.0	0.0	0.0	0.06	0.04	0.09	0.0	0.0	0.0
30	0.13		0.0	0.0	0.43	0.02	0.50	0.67	0.0	0.0	0.0	0.22
31	0.15		0.0		1.08		0.19	0.05		0.0		0.0
TOTAL	5.62	8.30	1.29	5.25	5.10	2.70	6.48	3.75	6.78	0.27	4.29	2.11
STA AV	5.10	4.87	4.85	4.42	4.50	5.92	4.81	3.30	1.70	3.32	3.70	

Gaging: Values are weighted using Reciprocal Distance Squared Method from 28 recording gages.
Station Averages: 9 yr beginning 1971.

1978	MEAN DAILY DISCHARGE (CFS)				TIPTON, GEORGIA LITTLE RIVER WATERSHED E							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	122.1	344.3	160.6	75.3	39.3	45.4	5.1	1.9	0.2	0.0	0.0	10.8
2	148.6	399.6	200.9	69.4	38.9	26.9	11.0	1.2	0.1	0.0	0.0	10.9
3	151.0	497.9	330.8	63.0	53.5	21.6	19.9	0.8	0.0	0.0	0.0	7.9
4	128.8	542.8	413.8	56.1	385.2	28.0	13.6	3.6	0.0	0.0	0.0	5.4
5	104.1	523.1	375.4	49.4	984.5	44.9	9.2	16.7	0.0	0.0	0.0	4.3
6	86.3	424.9	338.4	42.5	1073.3	100.9	7.5	18.9	0.0	0.0	0.0	3.5
7	76.3	320.7	273.5	36.8	636.1	99.3	10.5	17.2	0.0	0.0	0.0	2.7
8	83.2	264.3	297.0	32.8	366.1	56.2	9.6	17.9	0.0	0.0	0.0	2.4
9	135.7	255.8	525.5	29.3	349.9	39.7	6.1	15.5	0.0	0.0	0.0	2.3
10	165.1	257.6	980.4	27.5	509.6	30.8	3.7	12.0	0.0	0.0	0.0	2.1
11	214.8	257.4	1057.0	24.6	1068.1	26.3	2.4	13.3	0.0	0.0	0.0	2.0
12	232.5	253.5	840.1	22.2	836.0	31.0	1.7	17.8	0.0	0.0	0.0	1.7
13	215.6	238.4	555.7	70.2	447.0	72.5	50.4	111.6	0.0	0.0	0.0	1.5
14	220.2	220.4	666.3	318.2	270.4	46.0	103.7	91.2	0.0	0.0	0.0	1.3
15	220.7	198.4	1077.5	517.1	179.1	25.7	54.0	42.6E	0.0	0.0	0.0	1.2
16	236.0	192.6	1061.9	550.2	141.8	15.6	75.9	23.1E	0.0	0.0	0.0	1.1
17	231.1	189.6	877.6	388.4	112.3	9.5	306.4	15.4E	0.0	0.0	0.0	1.1
18	195.6	221.6	536.7	217.0	92.0	5.9	285.9	10.2	0.0	0.0	0.0	0.9
19	286.1	333.1	368.3	175.5	70.1	3.7	205.1	6.6	0.0	0.0	0.0	0.9
20	635.0	411.9	270.8	183.4	66.9	2.4	80.3	4.4	0.0	0.0	0.0	0.8
21	874.4	381.6	221.9	248.0	73.0	1.6	37.3	2.9	0.0	0.0	0.0	1.1
22	935.7	297.3	196.6	219.2	60.7	1.0	21.0	2.7	0.0	0.0	0.0	1.3
23	623.2	218.6	180.1	149.7	42.7	0.6	12.4	2.5	0.0	0.0	0.0	1.2
24	425.7	173.6	166.4	91.6	31.8	0.4	7.3	4.2	0.0	0.0	0.0	7.6
25	814.0	150.4	156.0	61.2	28.4	0.3	4.3	5.0	0.0	0.0	0.0	26.4
26	1863.3	136.1	145.4	56.3	37.7	0.1	3.1	3.7	0.0	0.0	0.0	22.9
27	2093.7E	124.5	131.9	55.6	84.5	0.1	2.8	2.3	0.0	0.0	0.0	25.6
28	1598.8	124.2	116.6	52.7	96.7	0.0	2.5	1.4	0.0	0.0	0.0	33.7
29	866.9		104.2	52.1	153.9	0.2	2.5	0.8	0.0	0.0	0.1	30.9
30	505.2		91.7	48.4	170.1	3.3	3.4	0.5	0.0	0.0	3.9	28.9
31	396.8		81.9		92.9		2.9	0.3		0.0		18.4
MEAN	480.2(	284.03	412.88	132.78	277.01	24.74	43.91	15.10	0.01	0.0	0.13	8.32
INCHES	4.29(	2.292	3.689	1.148	2.475	0.214	0.392	0.135	0.000	0.0	0.001	0.074
STA AV	2.401	2.602	2.438	2.657	1.283	0.430	0.471	0.361	0.551	0.099	0.265	0.467

Station Averages: 8 yr beginning 1971.
Conversion Factor: CFS to IN/DAY, multiply by 0.0002881.

1979	MEAN DAILY DISCHARGE (CFS)				TIFTON, GEORGIA LITTLE RIVER WATERSHED E							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	15.0	185.9	546.1	45.7	150.8	21.8	4.6	6.7	0.4	289.7	1.9	69.6
2	25.4	162.2	430.9	42.6	88.8	50.6	2.9	4.6	0.6	179.9	2.6	50.3
3	41.6	156.8	352.7	41.9	58.9	137.2	1.8	7.1	4.4	119.6	6.3	37.2
4	44.6	179.3	302.7	50.1	45.7	145.2	1.1	15.3	7.1	82.9	6.7	30.7
5	56.1	190.2	277.4	95.3	47.4	107.1	0.7	14.7	6.3	60.1	5.5	27.4
6	58.6	304.0	262.1	231.9	50.5	68.0	0.6	9.1	4.8	45.1	12.6	35.5
7	64.3	1179.0	252.1	432.4	67.6	44.4	17.7	5.4	3.5	34.8	26.3	75.4
8	103.8	1368.1	226.7	381.2	244.1	36.1	15.4	3.2	2.7	29.7	23.4	104.1
9	106.7	1418.1	193.5	237.7	286.8	58.4	9.6	2.0	2.0	28.7	16.7	148.4
10	119.3	903.2	172.1	146.3	272.5	226.7	10.0	1.2	1.4	25.6	13.1	172.7
11	137.3	521.8	190.7	119.9	211.2	179.1	11.3	0.8	0.9	20.1	39.5	140.5
12	143.7	390.9	207.8	121.8	152.0	89.3	23.7	0.8	0.8	15.9	115.1	92.2
13	132.1	307.3	222.5	108.5	130.9	41.7	37.7	0.7	0.9	13.0	156.7	66.1
14	121.3	260.5	250.6	114.3	190.6	21.8	38.9	0.7	0.9	11.1	210.9	56.5
15	122.2	236.9	233.5	131.6	228.4	13.0	36.8	8.8	0.7	10.1	223.0	53.5
16	123.1	222.2	181.7	288.8	188.0	9.0	29.6	14.8	1.3	9.5	167.9	55.3
17	120.3	211.3	143.0	337.9	147.0	6.2	19.4	10.5	3.1	8.9	101.5	60.7
18	109.2	198.6	121.2	228.2	89.9	4.2	29.9	6.6	3.9	8.3	62.8	64.6
19	95.4	189.0	107.5	120.4	50.5	2.9	105.9	4.0	3.6	7.4	46.4	67.1
20	89.6	180.2	99.3	69.6	31.9	2.2	181.8	2.4	2.9	6.7	38.4	62.9
21	168.5	172.5	95.9	49.2	21.8	2.9	161.6	1.5	2.8	6.2	35.0	54.1
22	184.9	178.9	92.0	36.8	15.6	7.0	125.5	1.0	3.1	5.9	34.8	46.7
23	200.9	238.1	89.0	28.4	13.7	9.1	85.9	0.6	2.8	5.5	30.1	41.6
24	252.9	583.5	93.8	22.6	26.8	29.7	67.8	0.5	2.4	5.0	27.1	39.6
25	244.6	2140.8E	98.9	35.6	41.4	40.8	47.1	0.5	4.7	4.9	27.0	44.0
26	211.0	2595.1E	108.4	107.8	47.2	38.5	38.3	0.7	22.9	4.1	34.5	50.1
27	233.3	1601.2E	111.1	195.6	46.0	28.0	38.6	0.6	90.2	3.7	42.7	62.6
28	259.7	918.2	93.0	390.1	32.4	17.7	31.5	0.5	305.7	3.2	64.8	74.4
29	227.2		71.4	385.8	20.3	11.2	20.8	0.5	497.8	2.7	91.9	66.8
30	213.7		57.6	258.0	13.8	7.1	13.6	0.5	431.4	2.4	90.8	56.4
31	209.4		50.2		14.9		9.1	0.5		2.1		52.1
MEAN	136.64	613.99	184.99	161.83	97.66	48.56	39.33	4.09	47.21	33.94	58.54	66.52
INCHES	1.221	4.954	1.653	1.399	0.872	0.420	0.351	0.036	0.408	0.303	0.506	0.594
STA AV	2.253	2.896	2.340	2.500	1.231	0.429	0.456	0.321	0.533	0.125	0.286	0.864

Station Averages: 9 yr beginning 1971.
Conversion Factor: CFS to IN/DAY, multiply by 0.0002881.

1978	SELECTED RUNOFF EVENT				TIFTON, GEORGIA LITTLE RIVER WATERSHED E						
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF				
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF AUGUST 11 - 18, 1978						
RG 000022				RG 000022						
8-12	0.10		8-12	2024	0.0	0.0	8-11	2400	14.879	0.0
8-11		0.004		2210	0.0566	0.10	8-12	215	15.372	0.0000
				2355	0.0571	0.20		505	15.875	0.0000
								800	16.389	0.0001
								1050	16.913	0.0001
WATERSHED CONDITIONS:										
Residential, 1.0%; water,								1950	17.449	0.0003
1.9%; crops, 35.8%; wet-								2030	17.996	0.0004
land, 2.5%; pasture, 17.8%;								2200	26.887	0.0005
roads, 0.9%; commercial,								2330	31.451	0.0005
0.4%; forest, 39.7%.								2400	32.258	0.0006
							8-13	140	40.151	0.0006
								235	47.108	0.0007
								315	53.671	0.0007
								345	59.584	0.0008
								425	68.564	0.0008
								515	81.377	0.0011
								555	89.135	0.0012
								640	99.079	0.0013
								730	109.730	0.0014
								815	115.330	0.0016
								845	121.116	0.0017
								915	125.079	0.0018
								945	127.092	0.0021
								1015	131.183	0.0022
								1045	133.260	0.0023
								1120	135.359	0.0024
								1205	137.482	0.0026
								1305	139.624	0.0027
								1730	137.482	0.0029
								1905	135.359	0.0030

Conversion Factor: CFS to IN/HR, multiply by 0.000012.

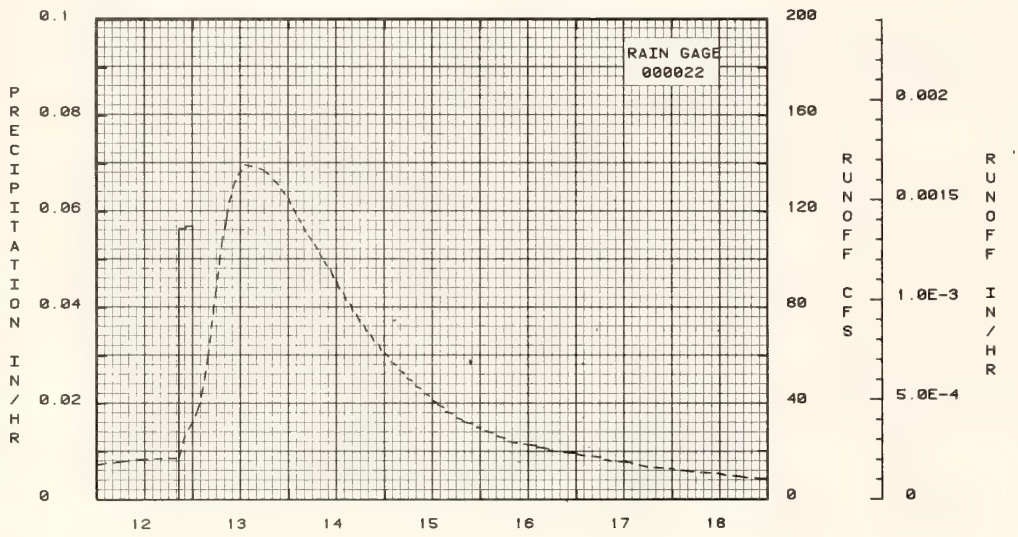
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF AUGUST 11 - 18, 1978 (CONTINUED)							
							8-13	2020	133.260	0.0031
								2120	131.183	0.0033
								2215	129.125	0.0034
								2305	127.092	0.0035
								2400	125.079	0.0038
							8-14	30	123.086	0.0039
								110	121.116	0.0040
								150	119.167	0.0041
								225	117.237	0.0043
								305	115.330	0.0044
								340	113.444	0.0045
								420	111.578	0.0046
								455	109.730	0.0047
								545	107.903	0.0048
								630	106.098	0.0049
								710	104.314	0.0050
								745	102.547	0.0051
								820	100.803	0.0052
								855	99.079	0.0053
								930	97.372	0.0054
								1030	95.687	0.0059
								1110	92.372	0.0060
								1205	90.745	0.0065
								1245	87.547	0.0065
								1345	85.977	0.0071
								1420	82.891	0.0071
								1520	81.377	0.0076
								1600	78.403	0.0076
								1700	76.945	0.0080
								1740	74.080	0.0081
								1845	72.675	0.0085
								1925	69.918	0.0086
								2035	68.564	0.0091
								2115	65.914	0.0091
								2230	64.612	0.0096
								2305	62.065	0.0097
								2400	60.815	0.0098
							8-15	50	59.564	0.0102
								135	57.169	0.0103
								245	55.967	0.0106
								335	53.671	0.0107
								450	52.538	0.0111
								535	50.318	0.0112
								655	49.233	0.0116
								740	47.108	0.0116
								905	46.069	0.0120
								950	44.036	0.0120
								1110	43.043	0.0123
								1200	41.100	0.0124
								1315	40.151	0.0126
								1320	39.217	0.0127
								1450	38.298	0.0129
								1525	36.501	0.0129
								1700	35.625	0.0133
								1805	33.914	0.0133
								1930	33.079	0.0136
								1935	32.258	0.0136
								2200	31.451	0.0140
								2305	29.876	0.0140
								2400	29.876	0.0144
							8-16	105	28.355	0.0144
								300	27.615	0.0147
								405	26.172	0.0147
								600	25.470	0.0150
								705	24.103	0.0150
								905	23.439	0.0150
								1105	22.787	0.0151
								1400	22.146	0.0153
								1405	21.518	0.0153
								1700	20.901	0.0155
								1705	20.297	0.0156
								1905	19.705	0.0156
								2205	19.123	0.0156
								2400	19.123	0.0160
							8-17	10	18.554	0.0161

Conversion Factor: CFS to IN/HR, multiply by 0.000012.

1978 SELECTED RUNOFF EVENT — TIFTON, GEORGIA LITTLE RIVER WATERSHED B

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF AUGUST 11 - 18, 1978 (CONTINUED)										
							8-17	205	17.996	0.0161
								600	17.449	0.0163
								705	16.389	0.0163
								845	15.875	0.0163
								1210	15.372	0.0166
								1405	14.879	0.0169
								1555	13.927	0.0169
								1740	13.466	0.0169
								1945	13.015	0.0169
								2400	12.575	0.0172
							8-18	35	12.144	0.0172
								255	11.724	0.0172
								520	11.313	0.0172
								740	10.912	0.0172
								1145	10.521	0.0175
								1320	9.766	0.0175
								1640	9.402	0.0177
								1855	8.702	0.0177
								2335	8.366	0.0179
								2400	8.038	0.0179

Conversion Factor: CFS to IN/HR, multiply by 0.000012.



EVENT OF AUGUST 11 - 18, 1978

TIFTON, GEORGIA LITTLE RIVER WATERSHED B

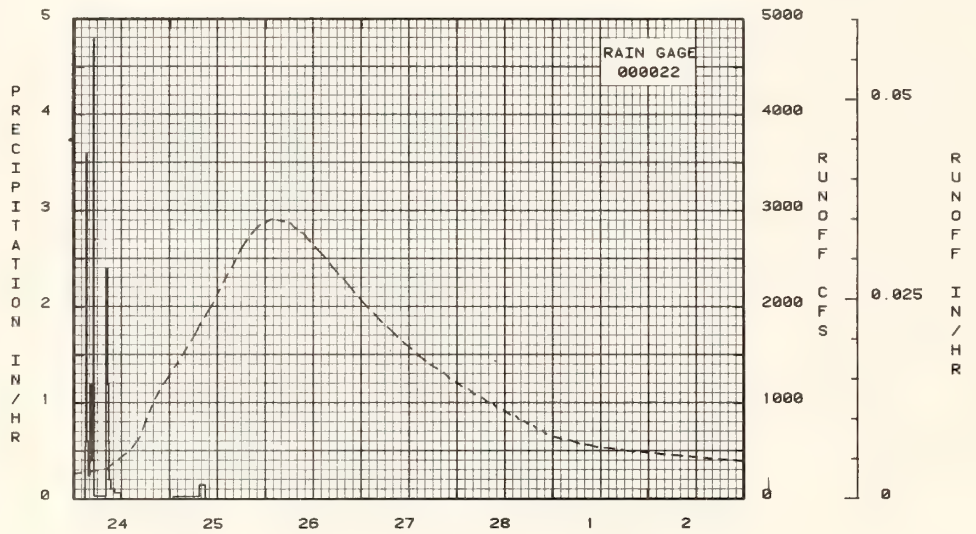
1979 SELECTED RUNOFF EVENT — TIPTON, GEORGIA LITTLE RIVER WATERSHED E

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF FEBRUARY 23 - MARCH 2 1979							
RG 000022			RG 000022							
2-24	0.20		2-24	239	0.0	0.0	2-23	2400	273.891	0.0
2-23		0.069		250	0.5455	0.10	2-24	410	291.091	0.0009
				300	0.6000	0.20		820	327.605	0.0019
				305	3.6000	0.50		1300	484.064	0.0020
				310	3.6000	0.80		1440	545.531	0.0026
WATERSHED CONDITIONS:										
Residential, 1.0%; water,				320	0.6000	0.90		1630	655.856	0.0032
1.9%; crops, 35.8%; wet-				330	0.6000	1.00		1810	841.219	0.0041
land, 2.5%; pasture, 17.8%;				355	0.2400	1.10		2030	1068.802	0.0051
roads, 0.9%; commercial,				410	0.4000	1.20		2230	1212.496	0.0063
0.4%; forest, 39.7%.				420	1.2000	1.40		2400	1310.863	0.0076
				435	0.4000	1.50	2-25	205	1435.749	0.0091
				445	0.6000	1.60		420	1586.753	0.0106
				450	4.8000	2.00		610	1709.631	0.0123
				455	1.2000	2.10		745	1832.301	0.0142
				500	1.2000	2.20		930	1955.037	0.0161
				800	0.0333	2.30		1055	2050.695	0.0202
				810	2.4000	2.70		1340	2284.125	0.0225
				815	1.2000	2.80		1535	2422.431	0.0249
				820	2.4000	3.00		1750	2603.615	0.0275
				825	1.2000	3.10		1920	2701.878	0.0302
				835	1.2000	3.30		2055	2786.510	0.0330
				845	0.6000	3.40		2235	2857.344	0.0358
				915	0.2000	3.50		2400	2885.740	0.0416
				1010	0.1091	3.60	2-26	130	2914.204	0.0445
				1140	0.0667	3.70		300	2899.978	0.0474
			2-25	49	0.0	3.70		440	2885.740	0.0503
				410	0.0299	3.80		610	2871.538	0.0618
				730	0.0300	3.90		730	2814.814	0.0646
				810	0.1500	4.00		930	2758.248	0.0757
				850	0.1500	4.10		1115	2673.749	0.0784
								1305	2589.625	0.0810
								1505	2505.865	0.0860
								1615	2436.324	0.0884
								1815	2339.342	0.0908
								2025	2242.769	0.0953
								2215	2146.574	0.0974
								2400	2064.370	0.0995
							2-27	145	1982.350	0.1015
								350	1900.471	0.1053
								515	1832.301	0.1071
								715	1764.149	0.1124
								905	1682.345	0.1141
								1055	1614.081	0.1157
								1245	1559.381	0.1188
								1430	1490.800	0.1203
								1610	1435.749	0.1218
								1725	1394.261	0.1232
								1910	1352.677	0.1286
								2110	1296.925	0.1338
								2210	1254.843	0.1350
								2400	1212.496	0.1399
							2-28	115	1169.841	0.1411
								255	1141.200	0.1491
								435	1083.397	0.1501
								615	1054.175	0.1565
								735	1009.854	0.1575
								920	980.021	0.1634
								1005	949.841	0.1643
								1200	919.334	0.1708
								1320	872.812	0.1717
								1450	857.064	0.1785
								1530	825.219	0.1793
								1655	809.105	0.1858
								1750	776.398	0.1866
								1915	759.805	0.1927
								2000	726.041	0.1934
								2135	708.864	0.2005
								2225	673.781	0.2012
								2400	646.862	0.2019
							3- 1	215	619.708	0.2025

Conversion Factor: CPS to IN/HP, multiply by 0.000012.

1979 SELECTED RUNOFF EVENT			TIFTON, GEORGIA LITTLE RIVER WATERSHED B						
ANTECEDENT CONDITIONS			RAINFALL			RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF FEBRUARY 23 - MARCH 2, 1979 (CONTINUED)										
							3- 1	445	601.437	0.2073
								640	573.701	0.2079
								925	554.970	0.2140
								1120	534.947	0.2145
								1535	519.329	0.2208
								1855	498.975	0.2213
								2325	484.064	0.2276
								2400	479.165	0.2304
							3- 2	415	459.875	0.2309
								840	441.117	0.2313
								1415	422.875	0.2368
								1755	405.135	0.2372
								2255	392.163	0.2435
								2400	387.903	0.2482

Conversion Factor: CFS to IN/HR, multiply by 0.000012.



EVENT OF FEBRUARY 23 - MARCH 2, 1979

TIFTON, GEORGIA LITTLE RIVER WATERSHED B

LOCATION: Tift County, Georgia; approximately 4 miles northwest of Tifton on County road 1144; west Ty Ty, Little River Watershed, Withlacoochee River Sub-basin, Suwannee River Basin. Lat. 31 deg. 1 min. 0 sec., Long. 83 deg. 35 min. 30 sec.

AREA: 3872.00 acres 6.05 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED N

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	7.31	2.81	4.64	3.66	5.51	3.36	6.80	3.54	1.33	0.10	4.88	2.66	46.60
	Q	4.267	2.095	3.550	1.269	1.531	0.299	0.606	0.396	0.0	0.0	0.153	0.833	14.809
1979	P	6.05	7.05	1.09	4.59	5.80	2.09	6.39	2.65	6.38	0.42	4.16	2.06	48.73
	Q	1.818	3.965	1.413	1.069	1.243	0.428	0.734	0.012	0.510	0.263	0.837	0.859	13.143
STA AV	P	4.83	4.56	4.96	4.42	4.83	4.40	5.75	5.24	3.60	2.14	3.01	3.52	51.25
	Q	2.289	2.660	2.374	2.246	1.359	0.630	0.633	0.478	0.695	0.279	0.584	1.132	15.454

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		6 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	1-25	0.151	1-25	0.151	1-25	0.298	1-25	0.814	1-25	1.295	1-25	1.607	1-25	1.857	1-19	2.786
1979	2- 7	0.085	2- 7	0.085	2- 7	0.168	2- 6	0.453	2- 6	0.706	2- 6	0.941	2- 6	1.149	2- 4	1.670
MAXIMUMS FOR PERIOD OF RECORD																
	2- 2	0.162	2- 2	0.161	2- 2	0.318	2- 2	0.955	2- 2	1.361	2- 2	1.672	4-25	2.096	3-31	3.423
	1973		1973		1973		1973		1973		1973		1973		1973	

Watershed Conditions: Residential, 1.7%; water, 2.1%; crops, 46.7%; wetland, 0.2%; pasture, 17.3%; roads, 0.9%; forest, 31.1%.
Maps: Topographic/Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1975, USDA Misc. Pub. 1446; pages 74.003-21 and 74.002-22.
Precipitation: Records began January 1968. Values are weighted using the Reciprocal Distance Squared Method from 9 recording gages. STA AV values are based on 10 yr beginning 1970.
Runoff: Records began November 1, 1970. STA AV include part-year records.
Long-Term Precipitation: National Weather Service records at Tifton, Georgia.

1978 DAILY PRECIPITATION (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED N

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.36	0.0	0.0	0.52	0.0	0.62	0.0	0.0	0.0	0.0	0.0
2	0.0	0.54	0.06	0.0	0.0	0.38	0.10	0.02	0.0	0.0	0.0	0.0
3	0.0	0.0	0.64	0.0	2.02	0.78	0.38	0.58	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.11	0.0	0.01	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.0	0.07
6	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.58	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.09	0.09	0.01	0.21	0.0	0.0	0.72	0.0
8	0.87	0.28	1.37	0.0	0.79	0.44	0.0	0.04	0.0	0.0	0.0	0.0
9	0.0	0.06	0.84	0.0	0.53	0.13	0.0	0.02	0.0	0.0	0.0	0.33
10	0.0	0.0	0.01	0.0	0.0	0.13	0.0	0.46	0.02	0.0	0.0	0.0
11	0.0	0.01	0.0	0.10	0.0	0.03	0.0	0.10	0.0	0.0	0.0	0.0
12	0.21	0.0	0.0	0.10	0.0	0.51	2.14	0.87	0.0	0.0	0.0	0.0
13	0.66	0.18	0.0	2.31	0.24	0.0	0.25	0.0	0.0	0.09	0.0	0.0
14	0.0	0.0	1.68	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
15	0.0	0.0	0.04	0.0	0.0	0.0	1.08	0.01	0.0	0.0	0.0	0.0
16	0.0	0.16	0.0	0.0	0.0	0.0	0.61	0.0	0.0	0.0	0.0	0.0
17	0.24	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.20	0.0	0.0	0.0
18	0.0	0.62	0.0	0.73	0.0	0.0	0.29	0.0	0.0	0.0	0.0	0.0
19	2.02	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.97	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.04	0.0	0.0	0.02
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.14	0.08	0.0	0.0	0.06	0.0	0.0	0.0
24	0.14	0.0	0.0	0.0	0.41	0.01	0.0	0.0	0.0	0.0	0.0	2.15
25	3.17	0.0	0.0	0.37	0.0	0.0	0.14	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.27	0.0	0.30	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.73	0.0
28	0.0	0.60	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.09	0.0
29	0.0		0.0	0.0	0.0	0.77	0.08	0.01	0.02	0.0	2.70	0.05
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.64	0.0
31	0.0		0.0		0.0		0.07	0.0		0.0		0.04
TOTAL	7.31	2.81	4.64	3.66	5.51	3.36	6.80	3.54	1.33	0.10	4.88	2.66
STA AV	4.70	4.29	5.39	4.40	4.72	4.66	5.68	5.52	3.29	2.33	2.88	3.68

Gaging: Values are weighted using Reciprocal Distance Squared Method from 9 recording gages.
Station Averages: 9 yr beginning 1970.

In Cooperation with University of Georgia College of Agriculture Experiment Stations, Georgia Institute of Technology, and Middle South Georgia Soil Conservation District

1979	DAILY PRECIPITATION (INCHES)				TIFTON, GEORGIA LITTLE RIVER WATERSHED N							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.01	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.25	0.0	0.02	0.0
2	1.17	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.27	0.0	0.80	0.0
3	0.0	0.49	0.0	0.18	0.0	0.02	0.0	0.0	0.06	0.0	0.0	0.0
4	0.0	0.10	0.10	0.93	0.65	0.35	0.0	0.0	0.0	0.12	0.0	0.0
5	0.0	0.01	0.0	0.0	0.02	0.0	0.63	0.16	0.0	0.13	0.0	0.0
6	0.01	3.01	0.0	0.0	0.0	0.04	0.15	0.02	0.0	0.0	0.0	1.22
7	1.26	0.03	0.02	0.0	1.55	0.28	0.72	0.0	0.0	0.0	0.0	0.0
8	0.08	0.0	0.0	0.26	0.01	0.13	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.24	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.16	0.0	0.14	0.0	0.19	0.01	0.0	0.08	0.40	0.0
11	0.04	0.0	0.36	0.0	0.09	0.0	0.78	0.32	0.0	0.0	2.40	0.0
12	0.43	0.0	0.0	0.0	0.0	0.0	0.40	0.03	0.95	0.0	0.0	0.0
13	0.03	0.0	0.0	0.92	0.70	0.0	0.07	0.0	0.14	0.0	0.0	0.0
14	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
15	0.0	0.0	0.0	0.02	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.11
16	0.0	0.07	0.0	0.0	0.0	0.04	0.0	0.0	0.99	0.07	0.0	0.10
17	0.0	0.0	0.0	0.0	0.0	0.0	1.51	0.13	0.02	0.0	0.0	0.0
18	0.0	0.01	0.0	0.0	0.0	0.0	0.21	0.0	0.04	0.0	0.0	0.0
19	0.0	0.10	0.0	0.0	0.0	0.0	0.64	0.0	0.0	0.0	0.0	0.0
20	1.44	0.0	0.0	0.0	0.07	0.26	0.03	0.0	0.0	0.0	0.0	0.0
21	0.02	0.06	0.05	0.0	0.0	0.39	0.04	0.0	0.30	0.0	0.0	0.0
22	0.0	0.66	0.0	0.0	0.0	0.06	0.12	0.0	0.0	0.0	0.0	0.0
23	0.52	0.17	0.40	0.0	1.02	0.21	0.05	0.08	0.0	0.0	0.0	0.0
24	0.02	2.06	0.0	0.13	0.13	0.11	0.01	0.55	0.13	0.0	0.0	0.28
25	0.0	0.28	0.0	1.78	0.0	0.0	0.49	0.60	1.46	0.0	0.49	0.02
26	0.0	0.0	0.0	0.12	0.0	0.0	0.04	0.05	1.04	0.0	0.04	0.0
27	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.20	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.19	0.12	0.0	0.01	0.0
29	0.0		0.0	0.01	0.0	0.0	0.06	0.03	0.41	0.0	0.0	0.0
30	0.10		0.0	0.0	0.59	0.0	0.0	0.39	0.0	0.0	0.0	0.28
31	0.19		0.0		0.83		0.08	0.0		0.02		0.0
TOTAL	6.05	7.05	1.09	4.59	5.80	2.09	6.39	2.65	6.38	0.42	4.16	2.06
STA AV	4.83	4.56	4.96	4.82	4.83	4.40	5.75	5.24	3.60	2.14	3.01	3.52

Gaging: Values are weighted using Reciprocal Distance Squared Method from 9 recording gages.
Station Averages: 10 yr beginning 1970.

1978	MEAN DAILY DISCHARGE (CFS)				TIFTON, GEORGIA LITTLE RIVER WATERSHED N							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.24E	14.40	15.96	5.68	3.75	0.44	0.0	0.57	0.0	0.0	0.0	8.92
2	7.52E	31.39	10.45	5.29	6.63	0.35	0.23	0.32	0.0	0.0	0.0	4.27
3	6.73E	21.92	21.33	4.86	14.86	2.15	0.57	0.25	0.0	0.0	0.0	2.87
4	6.17E	15.13	16.64	4.51	55.81	6.72	1.40	0.83	0.0	0.0	0.0	2.24
5	5.89E	12.69	10.49	4.17	16.96	3.97	1.05	1.76	0.0	0.0	0.0	1.82
6	5.67	11.59	8.65	3.85	9.01	2.38	1.26	4.00	0.0	0.0	0.0	1.60
7	5.87	10.55	7.89	3.53	7.06	1.75	3.79	9.02	0.0	0.0	0.0	1.49
8	10.52	10.60	38.53	3.26	6.59	2.78	1.71	6.93	0.0	0.0	0.0	1.56
9	18.69	14.95	41.60	2.91	29.04	7.34	0.76	3.00	0.0	0.0	0.0	2.32
10	9.76	12.99	42.63	2.55	23.27	4.90	0.38	2.15E	0.0	0.0	0.0	3.02
11	6.93	10.84	19.19	1.85	10.54	3.26	0.21	4.46E	0.0	0.0	0.0	2.23
12	6.27	9.93	15.45	3.30	7.13	3.41	2.80	5.72E	0.0	0.0	0.0	1.82
13	15.72	10.98	13.86	34.71	6.80	2.93	18.97	13.34E	0.0	0.0	0.0	1.64
14	16.48	11.32	111.28E	31.29	6.84	1.67	4.98	3.98E	0.0	0.0	0.0	1.53E
15	9.61	9.02	45.28	11.30	4.98	2.45	2.23	2.12E	0.0	0.0	0.0	1.46E
16	7.78	9.32	20.62	7.29	3.97	0.91	24.22	1.47E	0.0	0.0	0.0	1.46E
17	9.23	10.30	15.56	5.48	4.51	0.53	13.44	1.06	0.0	0.0	0.0	1.65E
18	10.59	21.01	12.60	7.35	5.42	0.32	5.45	0.73	0.0	0.0	0.0	1.50E
19	52.63	16.57	11.29	13.05	4.33	0.19	4.03	0.48	0.0	0.0	0.0	1.46E
20	39.34	11.39	10.72	8.22	3.60	0.11	2.10	0.30	0.0	0.0	0.0	1.54E
21	18.42	9.55	10.27	5.37E	2.78	0.05	1.75	0.19	0.0	0.0	0.0	1.62
22	13.88	8.36	9.93	4.26E	1.59	0.01	1.13	0.43	0.0	0.0	0.0	1.56
23	12.01	7.66	9.34	3.65E	1.56	0.00	0.75	0.61	0.0	0.0	0.0	1.40
24	11.35	7.42	8.72	3.40E	1.72	0.0	0.46	0.39	0.0	0.0	0.0	15.02
25	231.80E	7.19	8.33	3.49E	2.14	0.0	0.31	0.23	0.0	0.0	0.0	13.66
26	66.88	7.10	8.04	6.52E	1.65	0.0	0.62	0.10	0.0	0.0	0.0	5.82
27	25.63	6.76	7.39	5.53E	1.76	0.0	1.48	0.03	0.0	0.0	0.0	3.72
28	18.37	9.90	6.80	4.05	1.42	0.0	0.95	0.00	0.0	0.0	0.28	2.96
29	15.31		6.58	3.18	1.05	0.0	0.67	0.0	0.0	0.0	4.38	2.63
30	13.31		6.33	2.63	0.85	0.0	0.49	0.0	0.0	0.0	20.24	2.45
31	12.41		5.80		0.61		0.42	0.0		0.0		2.39
MEAN	22.547	12.171	18.629	6.884	8.032	1.621	3.181	2.079	0.0	0.0	0.830	3.216
INCHES	4.297	2.095	3.550	1.269	1.531	0.299	0.606	0.396	0.0	0.0	0.153	0.613
STA AV	2.347	2.497	2.494	2.393	1.419	0.655	0.621	0.536	0.718	0.281	0.562	1.163

Station Averages: 9 yr beginning 1970.
Conversion Factor: CFS to IN/DAY, multiply by 0.00614712.

1979 MEAN DAILY DISCHARGE (CFS) TIFTON, GEORGIA LITTLE RIVER WATERSHED A

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.39	9.27	12.75	3.52	2.90	16.01	0.15	0.61	0.0	5.85	0.55	2.73
2	11.65	7.65	11.74	3.32	2.44	10.41	0.05	0.50	0.0	3.74	1.38	2.57
3	10.83	7.24	11.05	3.37	2.13	5.42	0.01	0.42	0.0	2.70	3.87	2.43
4	5.73	14.58	11.19	10.66	3.00	6.39	0.0 T	0.31	0.0	2.32	2.51	2.38
5	4.24	12.37	11.36	16.02	9.13	4.81	0.0	0.14	0.0	2.84	1.53	2.39
6	3.85	54.13	9.90	7.72	5.72	3.18	0.00	0.04	0.0	2.27	1.20	10.61
7	10.06	123.67E	8.64	4.94	26.47	2.39	2.48	0.01	0.0	1.76	1.10	15.21
8	18.04	24.78	8.18	4.26	29.63	2.32	3.44	0.0	0.0	1.52	1.05	7.44
9	10.05	16.51	7.57	6.33	11.76	3.14	1.88	0.0	0.0	1.31	1.03	5.24
10	6.70	13.49	7.18	5.39	8.61	2.26	2.18	0.0	0.0	1.22	1.62	4.19
11	5.51	12.15	12.37	3.94	7.85	1.44	3.13	0.0	0.0	1.09	25.64	3.83
12	8.02	11.34	11.42	3.08	7.09	0.92	9.60	0.0	0.0	0.86	22.66	3.61
13	8.93	10.44	8.58	3.41	6.46	0.58	5.97	0.0	0.0	0.82	8.85	3.58
14	8.15	9.74	7.49	11.81	12.55	0.48	3.72	0.0	0.02	0.77	5.49	3.67
15	6.82	9.45	6.76	7.96	7.74	0.49	2.27	0.0	0.42	0.69	4.14	4.13
16	5.68	9.33	6.07	4.86	4.96	0.47	1.50	0.0	1.98	0.73	3.48	4.76
17	5.18	9.67	5.79	3.16	3.62	0.25E	2.41	0.0	4.35	1.01	3.16	4.63
18	5.06	8.65	5.68	2.35	2.81	0.10E	19.22	0.0	2.44	0.83	3.17	3.92
19	4.85	8.63	5.54E	1.88	2.24	0.03E	10.67	0.0	1.44	1.01	3.50	3.50
20	6.89	8.51	5.19E	1.62	2.00	0.00E	11.59	0.0	1.10	1.10	2.79	3.32
21	30.91	8.51	5.09E	1.39	1.99	0.29E	6.18	0.0	1.17	1.05	2.60	3.21
22	15.46	10.29	5.53E	1.20	1.75	1.35E	4.15	0.0	1.36	0.96	2.56	3.21
23	9.55	23.20	6.47E	1.03	3.16	1.25	8.17	0.0	1.20	0.93	2.61	3.21
24	14.85	113.72	8.13	0.94	11.78	1.52	4.43	0.0	1.05	0.97	3.65	3.76
25	11.81	49.71	6.16	10.12	7.80	1.20	2.90	0.0	4.49	0.80	3.20	5.91
26	8.43	26.50	4.85	22.69	4.01	0.99	4.51	0.0	14.15	0.74	6.90	4.69
27	13.66	17.32	4.19	11.89	2.61	0.91	3.43	0.0	16.61	0.67	5.24	3.78
28	14.87	14.32	3.89	6.86	1.93	0.61	2.14	0.0	9.41	0.61	4.06	3.35
29	10.02		3.76	4.64	1.49	0.31	1.40	0.0	9.72	0.57	3.72	3.12
30	8.11		3.67	3.57	1.97	0.18	1.03	0.0	12.12	0.55	3.05	4.48
31	9.53		3.61		4.61		0.74	0.0		0.54		5.34
MEAN	9.541	23.039	7.413	5.798	6.522	2.323	3.849	0.065	2.768	1.382	4.540	4.458
INCHES	1.818	3.965	1.413	1.069	1.243	0.428	0.734	0.012	0.510	0.263	0.837	0.850
STA AV	2.289	2.660	2.374	2.246	1.399	0.630	0.633	0.478	0.695	0.279	0.589	1.132

Station Averages: 10 yr beginning 1970.
Conversion Factor: CFS to IN/DAY, multiply by 0.00614712.

1978 SELECTED RUNOFF EVENT TIFTON, GEORGIA LITTLE RIVER WATERSHED A

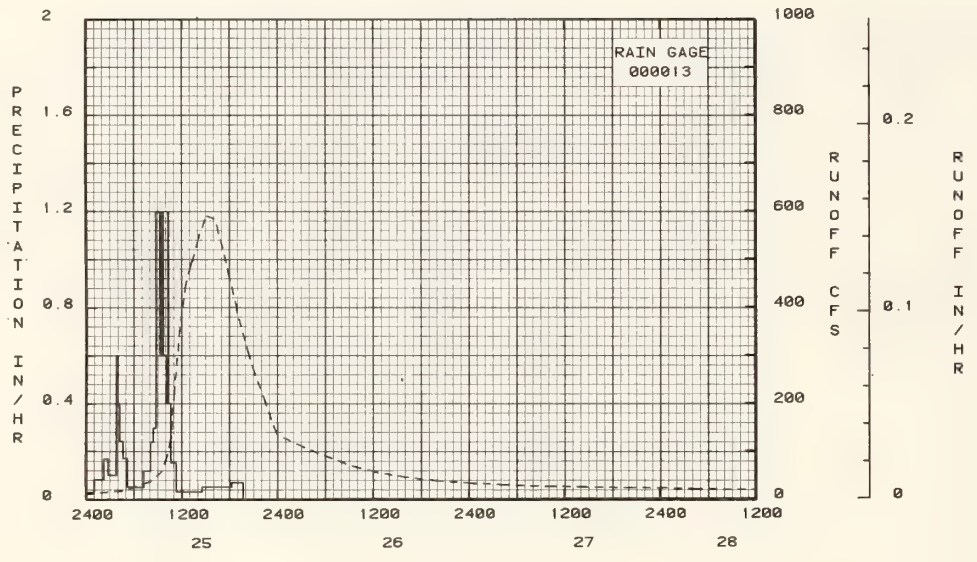
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JANUARY 24 - 30, 1978						
	RG 000013			RG 000013						
1-24	0.27	0.070	1-24	2400	0.0	0.0	1-24	2400	12.581	0.0
			1-25	100	0.0300	0.03	1-25	430	18.375	0.0004
				210	0.0857	0.13		810	39.156	0.0012
				245	0.1714	0.23		930	60.246	0.0025
				345	0.1000	0.33		1010	94.326	0.0081
WATERSHED CONDITIONS:										
Residential, 1.7%; water,				355	0.6000	0.43		1040	132.839	0.0160
2.1%; crops, 46.7%; wet-				410	0.4000	0.53		1105	235.948	0.0206
land, 0.2%; pasture,				435	0.2400	0.63		1145	358.749	0.0354
17.3%; roads, 0.9%;				510	0.1714	0.73		1225	440.729	0.0447
forest, 31.1%.				710	0.0500	0.83		1235	456.052	0.0543
				800	0.1200	0.93		1315	496.970	0.1357
				825	0.2400	1.03		1320	496.970	0.1463
				845	0.3000	1.13		1415	553.516	0.2696
				905	1.2000	1.53		1455	584.873	0.2821
				915	1.2000	1.73		1510	589.763	0.2946
				925	0.6000	1.83		1600	584.573	0.3071
				940	1.2000	2.13		1625	569.029	0.3192
				950	0.6000	2.23		1710	522.610	0.3418
				1000	0.6000	2.33		1805	456.052	0.3614
				1015	0.4000	2.43		1855	399.839	0.3965
				1020	1.2000	2.53		1900	389.593	0.4049
				1035	0.4000	2.63		2020	306.637	0.5238
				1115	0.1500	2.73		2115	258.251	0.5408
				1430	0.0308	2.83		2155	230.256	0.5457
				1815	0.0533	3.03		2240	194.860	0.5499
				1940	0.0706	3.13		2335	149.063	0.5531
								2400	134.416	0.5589
							1-26	235	113.338	0.5613
								600	89.264	0.5632
								935	67.409	0.5647

Conversion Factor: CFS to IN/HR, multiply by 0.00025613.

1978 SELECTED RUNOFF EVENT TIFTON, GEORGIA LITTLE RIVER WATERSHED N

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
							EVENT OF JANUARY 24 - 30, 1978 (CONTINUED)			
							1-26	1235	54.477	0.5659
								1625	43.938	0.5668
								2045	36.149	0.5676
								2400	32.582	0.5711
							1-27	505	27.948	0.5717
								1000	25.485	0.5722
								1500	23.723	0.5727
								2100	22.035	0.5732
								2400	21.489	0.5796
							1-28	520	19.381	0.5800
								1200	17.884	0.5804
								1825	16.924	0.5808
								2400	16.456	0.5871
							1-29	925	15.542	0.5957
								1700	14.659	0.5961
								2400	14.228	0.6046
							1-30	545	13.390	0.6049
								1300	12.982	0.6051
								2400	12.982	0.6417

Conversion Factor: CFS to IN/HR, multiply by 0.COC25613.



EVENT OF JANUARY 24 - 30, 1978

TIFTON, GEORGIA LITTLE RIVER WATERSHED N

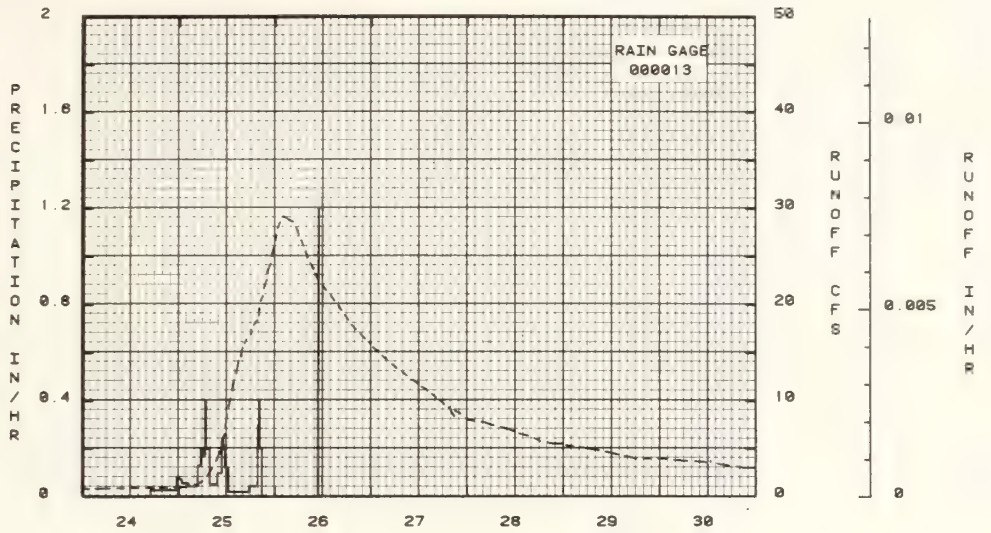
1979 SELECTED RUNOFF EVENT — TIFTON, GEORGIA LITTLE RIVER WATERSHED 1

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 23 - MAY 3 1979							
RG 000013			RG 000013							
4-24	0.0		4-24	1654	0.0	0.0	4-23	2400	0.960	0.0
4-23		0.006		2010	0.0306	0.10	4-24	115	0.874	0.0000
				2325	0.0308	0.20		450	0.960	0.0000
				2400	0.0857	0.25		2400	1.051	0.0003
			4-25	40	0.0750	0.30	4-25	210	1.146	0.0007
WATERSHED CONDITIONS:				225	0.0571	0.40		400	1.247	0.0011
Residential, 1.7%; water,				400	0.0444	0.50		555	1.700	0.0012
2.1%; crops, 46.7%; wet-				525	0.1333	0.60		730	2.539	0.0013
land, 0.2%; pasture,				555	0.2000	0.70		820	3.033	0.0015
17.3%; roads, 0.9%;				630	0.1714	0.80		940	4.178	0.0016
forest, 31.1%.				645	0.4000	0.90		1020	4.832	0.0018
				715	0.2000	1.00		1115	6.578	0.0020
				745	0.2000	1.10		1200	8.646	0.0021
				940	0.0522	1.20		1255	10.329	0.0024
				1040	0.1000	1.30		1340	12.187	0.0026
				1105	0.2400	1.40		1420	12.962	0.0032
				1135	0.2000	1.50		1450	14.228	0.0035
				1225	0.1200	1.60		1525	14.659	0.0047
				1730	0.0197	1.70		1550	15.542	0.0051
				1940	0.0462	1.80		1620	15.956	0.0054
				2000	0.3000	1.90		1650	16.456	0.0057
				2015	0.4000	2.00		1755	16.924	0.0072
				2045	0.2000	2.10		1800	17.400	0.0076
			4-26	1045	0.0	2.10		1840	17.884	0.0079
				1050	1.2001	2.20		1920	18.375	0.0083
								1955	18.875	0.0087
								2020	20.419	0.0092
								2055	20.950	0.0105
								2120	22.035	0.0110
								2155	22.590	0.0119
								2215	23.723	0.0124
								2250	24.302	0.0140
								2310	25.465	0.0145
								2345	26.088	0.0162
								2400	26.700	0.0173
							4-26	10	27.320	0.0179
								35	27.948	0.0185
								110	28.585	0.0191
								155	29.230	0.0197
								420	28.585	0.0203
								510	27.948	0.0209
								550	27.320	0.0215
								625	26.700	0.0221
								700	26.088	0.0227
								730	25.465	0.0232
								805	24.850	0.0238
								845	24.302	0.0243
								925	23.723	0.0248
								1000	23.153	0.0253
								1040	22.590	0.0258
								1145	22.035	0.0263
								1240	21.489	0.0267
								1350	20.950	0.0272
								1445	20.419	0.0276
								1545	19.896	0.0280
								1635	19.381	0.0285
								1725	18.875	0.0289
								1815	18.375	0.0293
								1900	17.884	0.0297
								2005	17.400	0.0300
								2115	16.924	0.0304
								2225	16.456	0.0308
								2330	15.996	0.0311
								2400	15.996	0.0332
							4-27	30	15.542	0.0335
								140	15.097	0.0338
								245	14.659	0.0342
								400	14.228	0.0345
								510	13.806	0.0348
								625	13.390	0.0351

Conversion Factor: CFS to IN/HR, multiply by 0.00025613.

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 23 - MAY 3, 1979 (CONTINUED)							
							4-27	745	12.982	0.0353
								855	12.581	0.0356
								1020	12.187	0.0359
								1130	11.801	0.0361
								1240	11.423	0.0364
								1405	11.051	0.0366
								1505	10.686	0.0368
								1610	10.329	0.0371
								1715	9.978	0.0373
								1815	9.635	0.0375
								1925	9.298	0.0377
								2050	8.330	0.0379
								2055	8.969	0.0381
								2220	8.646	0.0382
								2400	8.022	0.0384
							4-28	420	7.720	0.0386
								640	7.424	0.0388
								920	7.136	0.0389
								1125	6.854	0.0391
								1255	6.578	0.0392
								1510	6.310	0.0393
								1645	6.047	0.0396
								1815	5.791	0.0397
								2110	5.542	0.0398
								2400	5.542	0.0439
							4-29	45	5.299	0.0440
								525	5.062	0.0441
								850	4.832	0.0442
								1105	4.608	0.0443
								1340	4.390	0.0444
								1555	4.178	0.0445
								1815	3.972	0.0446
								2400	3.972	0.0504
							4-30	510	3.772	0.0505
								1135	3.579	0.0508
								1245	3.772	0.0509
								1250	3.579	0.0510
								1450	3.391	0.0511
								1720	3.209	0.0511
								2045	3.033	0.0512
								2400	3.033	0.0537
							5- 1	955	3.209	0.0538
								1100	3.033	0.0540
								1410	2.862	0.0540
								1655	2.698	0.0541
								2045	2.539	0.0542
								2400	2.539	0.0563
							5- 2	935	2.698	0.0563
								940	2.539	0.0564
								1450	2.385	0.0564
								1800	2.238	0.0565
								2230	2.095	0.0565
								2400	2.095	0.0573
							5- 3	355	2.238	0.0573
								1530	2.095	0.0574

Conversion Factor: CFS to IN/HR, multiply by 0.000025613.



EVENT OF APRIL 23 - MAY 3, 1979

TIFTON, GEORGIA LITTLE RIVER WATERSHED N

TIFTON, GEORGIA LITTLE RIVER WATERSHED C

LOCATION: Tift County, Georgia; approximately 2.5 miles northwest of Tifton on County Road S1179; Mill Creek, Little River Watershed, Withlacoochee River Sub-basin, Suwannee River Basin. Lat. 31 deg. 29 min. 36 sec., long. 83 deg. 34 min. 04 sec.

AREA: 3936.00 acres 6.15 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED C

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	6.98	2.67	4.82	3.52	5.60	3.30	5.67	3.20	0.51	0.05	5.19	2.65	44.16
1978	Q	3.391	1.991	3.327	1.263	1.655	0.278	0.366	0.204	0.082	0.101	0.336	0.463	12.455
	P	6.43	6.63	1.18	4.51	4.45	1.75	6.75	3.07	6.02	0.37	4.21	2.05	47.42
1979	Q	1.722	3.546	1.365	1.101	0.779	0.325	0.783	0.192	0.486	0.296	0.653	0.798	12.046
STA AV	P	4.28	4.19	4.91	3.79	4.72	3.98	5.61	5.58	3.09	1.89	3.02	3.76	48.83
	Q	2.063	2.675	2.661	2.141	1.272	0.462	0.566	0.923	0.543	0.269	0.434	0.937	14.945

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	1-25	0.073	1-25	0.072	1-25	0.143	1-25	0.386	1-25	0.633	1-25	0.875	1-25	1.125	1-19	1.996
1979	2- 7	0.073	2- 7	0.073	2- 7	0.144	2- 6	0.393	2- 6	0.653	2- 6	0.870	2- 6	1.085	2- 3	1.606
MAXIMUMS FOR PERIOD OF RECORD																
	2- 2	0.155	2- 2	0.154	2- 2	0.304	2- 2	0.794	2- 2	1.249	4- 3	1.691	3-30	2.097	3-31	5.012
	1973		1973		1973		1973		1973		1973		1973		1973	

Watershed Conditions: Residential, 1.6%; water, 2.9%; crops, 29.6%; pasture, 31.7%; roads, 1.3%; forest, 32.9%.
Maps: Topographic/Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1975, USDA Misc. Pub. 1446, pages 74.004-29 and 74.002-22.
Precipitation: Records began January 1968. Values are weighted using the Reciprocal Distance Squared Method from 9 recording gages. STA AV values are based on 12 yr beginning 1968.
Runoff: Records began December 1, 1968. STA AV include part-year records.
Long-Term Precipitation: National Weather Service records at Tifton, Georgia.

1978 DAILY PRECIPITATION (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED C

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.38	0.0	0.0	0.35	0.0	0.20	0.0	0.0	0.0	0.0	0.01
2	0.0	0.51	0.07	0.0	0.10	0.21	0.50	0.05	0.0	0.0	0.0	0.0
3	0.0	0.01	0.68	0.0	1.81	0.75	0.29	0.19	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.09	0.04	0.02	0.03	0.0	0.03	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.0	0.0	0.0	0.10
6	0.0	0.0	0.0	0.0	0.02	0.0	0.48	0.25	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.05	0.16	0.01	0.10	0.0	0.0	0.99	0.0
8	0.92	0.24	1.46	0.0	1.10	0.32	0.0	0.02	0.0	0.0	0.01	0.0
9	0.0	0.06	0.77	0.0	0.81	0.21	0.0	0.03	0.0	0.0	0.0	0.20
10	0.0	0.02	0.03	0.0	0.0	0.32	0.0	0.40	0.0	0.0	0.0	0.0
11	0.0	0.0	0.01	0.08	0.0	0.10	0.0	0.11	0.0	0.0	0.0	0.0
12	0.27	0.0	0.0	0.09	0.0	0.23	1.04	1.15	0.0	0.0	0.0	0.0
13	0.57	0.13	0.0	2.22	0.39	0.0	0.26	0.0	0.0	0.02	0.0	0.0
14	0.0	0.0	1.80	0.02	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.0	0.0	0.0	0.0	0.0
16	0.0	0.18	0.0	0.0	0.01	0.0	0.92	0.0	0.0	0.0	0.0	0.0
17	0.24	0.01	0.0	0.0	0.36	0.0	0.0	0.0	0.05	0.0	0.0	0.0
18	0.0	0.56	0.0	0.89	0.02	0.0	0.60	0.0	0.0	0.0	0.0	0.0
19	2.06	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.04	0.15	0.0	0.40	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.01	0.0	0.0	0.09
22	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.09	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.03	0.08	0.0	0.0	0.01	0.0	0.0	0.0
24	0.14	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.0	2.23
25	2.78	0.0	0.0	0.17	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.38	0.0	0.21	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.0	0.0	0.65	0.0
28	0.0	0.57	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.09	0.0
29	0.0		0.0	0.0	0.0	0.76	0.20	0.23	0.04	0.0	2.75	0.0
30	0.0		0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.70	0.02
31	0.0		0.0		0.0		0.01	0.0		0.0		0.0
TOTAL	6.98	2.67	4.82	3.52	5.60	3.30	5.67	3.20	0.51	0.05	5.19	2.65
STA AV	4.09	3.97	5.25	3.72	4.75	4.18	5.51	5.81	2.83	2.03	2.91	3.91

Gaging: Values are weighted using Reciprocal Distance Squared Method from 9 recording gages.
Station Averages: 11 yr beginning 1968.

In Cooperation with University of Georgia College of Agriculture Experiment Stations, Georgia Institute of Technology, and Middle South Georgia Soil Conservation District

1978 DAILY PRECIPITATION (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED C

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.06	0.0	0.0	0.0	0.0	0.14	0.0	0.0	0.11	0.0	0.05	0.0
2	1.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.00	0.0
3	0.0	0.47	0.0	0.20	0.0	0.0	0.01	0.0	0.11	0.0	0.0	0.0
4	0.0	0.10	0.17	0.80	0.31	0.00	0.0	0.0	0.0	0.04	0.0	0.0
5	0.01	0.01	0.0	0.0	0.0	0.0	0.49	0.28	0.0	0.05	0.0	0.0
6	0.02	3.02	0.0	0.0	0.01	0.07	0.00	0.0	0.0	0.0	0.0	1.10
7	1.42	0.03	0.0	0.0	1.41	0.26	1.57	0.0	0.0	0.0	0.0	0.0
8	0.01	0.0	0.0	0.22	0.03	0.20	0.0	0.0	0.01	0.0	0.0	0.0
9	0.0	0.01	0.0	0.18	0.0	0.03	0.22	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.14	0.0	0.16	0.0	0.69	0.0	0.0	0.09	0.44	0.0
11	0.02	0.0	0.46	0.0	0.07	0.0	0.46	0.55	0.03	0.0	2.25	0.0
12	0.49	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.79	0.0	0.0	0.0
13	0.04	0.0	0.0	1.03	0.26	0.0	0.04	0.0	0.05	0.0	0.0	0.0
14	0.12	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.01	0.0	0.0	0.14
16	0.0	0.04	0.0	0.0	0.0	0.01	0.0	0.0	1.18	0.19	0.0	0.10
17	0.0	0.0	0.0	0.0	0.0	0.0	0.92	0.09	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.01	0.0	0.0	0.0
19	0.0	0.07	0.0	0.0	0.0	0.0	0.66	0.0	0.0	0.0	0.0	0.0
20	1.50	0.0	0.0	0.0	0.07	0.03	0.01	0.0	0.0	0.0	0.0	0.0
21	0.01	0.04	0.00	0.0	0.0	0.39	0.0	0.0	0.30	0.0	0.0	0.0
22	0.0	0.64	0.0	0.0	0.0	0.04	0.02	0.0	0.01	0.0	0.0	0.0
23	0.63	0.15	0.39	0.0	0.85	0.09	0.02	0.28	0.0	0.0	0.0	0.0
24	0.0	1.70	0.0	0.16	0.05	0.08	0.07	0.81	0.09	0.0	0.0	0.23
25	0.0	0.35	0.0	1.77	0.0	0.0	0.16	0.38	1.15	0.0	0.56	0.07
26	0.0	0.0	0.0	0.12	0.0	0.0	0.04	0.04	1.08	0.0	0.01	0.0
27	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.53	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.15	0.0	0.05	0.0
29	0.0		0.0	0.03	0.0	0.0	0.06	0.0	0.25	0.0	0.0	0.0
30	0.10		0.0	0.0	0.54	0.0	0.0	0.35	0.0	0.0	0.0	0.23
31	0.16		0.0		0.68		0.13	0.0		0.0		0.0
TOTAL	6.43	6.63	1.18	4.51	4.45	1.75	6.75	3.07	6.02	0.37	4.21	2.05
STA AV	4.28	4.19	4.91	3.79	4.72	3.98	5.61	5.58	3.09	1.89	3.02	3.76

Gaging: Values are weighted using Reciprocal Distance Squared Method from 9 recording gages.
Station Averages: 12 yr beginning 1968.

1978 MEAN DAILY DISCHARGE (CFS) TIFTON, GEORGIA LITTLE RIVER WATERSHED C

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.67	13.78	15.36	5.06	3.55	0.49	0.57	0.47	0.34	0.51	0.72	7.00
2	6.07	32.64	9.39	4.96	5.84	0.64	2.11	0.28	0.28	0.68	0.73	4.54
3	5.38	20.95	25.51	4.35	11.29	1.63	3.41	0.49	0.36	0.66	0.74	2.22
4	4.93	13.44	15.52	3.91	43.26	5.32	1.56	0.96	0.59	0.74	0.52	2.26
5	5.54	11.06	9.78	3.69	12.65	2.97	1.02	0.87	0.67	0.59	0.51	3.74
6	4.63	10.62	8.87	3.23	8.44	1.94	1.49	0.82	0.72	0.50	0.57	2.38
7	5.01	10.09	8.33	3.01	6.57	1.27	2.62	1.18	0.38	0.39	1.16	2.15
8	11.96	9.94	41.91	2.98	6.76	1.49	1.23	1.12	0.06	0.25	2.50	2.08
9	19.78	14.30	43.79	2.80	46.36	3.52	1.14	0.88	0.09	0.29	1.54	1.84
10	7.97	12.14	41.46	2.48	27.03	2.19	1.39	1.07	0.10	0.58	1.20	0.92
11	6.12	10.18E	18.22	2.06	10.93	3.92	0.88	1.63	0.14	0.67	1.10	0.57
12	5.92	9.35E	14.84	3.05	7.54	3.15	0.33	2.95	0.33	0.30	1.06	0.48
13	17.95	10.74E	13.42	36.47	10.82	2.61	2.32	7.83	0.89	0.61	0.93	0.43
14	14.35	10.70E	92.15	26.63	9.50	1.26	1.64	2.11	0.88	0.81	1.21	1.37
15	9.08	8.32E	43.36	9.78	5.80	1.18	0.56	1.13	0.33	0.56	1.19	0.76
16	7.23	9.57E	21.23	7.35	4.86	1.17	5.04	0.94	0.20	0.39	0.99	0.48
17	10.09	10.17E	14.26	5.60	6.95	1.04	5.80	0.87	0.31	0.62	1.03	0.40
18	9.51	22.77	11.94	11.55	8.55	0.67	6.28	0.83	0.35	0.60	1.10	0.30
19	49.88	15.31	11.20	21.80	5.66	0.74	6.52	0.68	0.39	0.70	1.02	0.33
20	40.02	10.69	10.76	7.43	4.42	0.85	2.23	0.49E	0.56	0.44	0.96	2.10
21	16.86	9.44	10.33	5.15	3.43	0.72	1.82	0.39E	0.35	0.24	0.95	2.13
22	12.10	8.01	9.94	3.89	2.55	0.75	1.12	0.72E	0.59	0.32	0.67	1.80
23	11.02	7.21	8.71	3.38	3.19	0.83	0.94	1.00E	0.64	0.54	0.75	1.35
24	10.73	7.18	7.92	4.07	2.75	0.67	0.82	0.83	0.56	0.72	1.47	12.77
25	123.92	6.90	7.44	3.90	3.12	0.65	0.87	0.94	0.71	0.43	1.13	7.37
26	58.33	6.68	6.88	5.95	2.55	0.63	0.79	0.43	0.62	0.28	1.10	3.23
27	26.03	6.60	6.13	5.02	3.27	0.64	0.66	0.71	0.52	0.37	1.73	2.59
28	17.06	10.01	5.66	3.60	1.83	0.45	0.90	0.47	0.53	0.69	3.60	2.31
29	13.46		5.64	3.28	1.34	0.83	1.14	0.13	0.57	0.86	8.60	2.22
30	11.72		5.41	2.47	1.24	1.72	1.85	0.05	0.47	0.64	14.76	2.23
31	11.19		5.00		1.25		1.01	0.42		0.67		2.33
MEAN	18.091	11.759	17.752	6.964	8.827	1.531	1.951	1.086	0.451	0.537	1.852	2.473
INCHES	3.391	1.991	3.327	1.263	1.655	0.278	0.366	0.204	0.082	0.101	0.336	0.463
STA AV	2.097	2.588	2.791	2.245	1.321	0.476	0.544	0.996	0.549	0.267	0.412	0.949

Station Averages: 11 yr beginning 1968.
Conversion Factor: CFS to IN/DAY, multiply by 0.00604717.

1979	MEAN DAILY DISCHARGE (CFS)				TIFTON, GEORGIA LITTLE RIVER WATERSHED C							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.26	9.30	12.12	3.44	2.55	7.15	0.82	1.84	1.18	3.97E	1.02	2.53
2	11.63	7.78	12.90	3.41	2.26	4.52	0.71	1.04	1.23	3.00E	3.10	2.53
3	6.84	7.63	11.13	3.10	2.15	2.77	0.58	1.37	1.33	2.27E	3.51	2.39
4	4.06	15.41	10.98	9.49	2.54	3.49	0.36	0.72	1.22	1.77E	1.78	2.09
5	3.60	12.24	10.95	12.97	3.35	2.86	0.45	0.53	0.94	1.75E	1.48	2.12
6	3.55	52.83	9.53	6.03	2.67	1.98	1.39	1.05	0.84	1.62	1.51	10.55
7	10.70	116.83	8.28	4.29	14.46	2.11	17.87	1.05	0.86	1.35	1.34	12.95
8	15.18	26.15	7.56	4.25	24.35	2.78	3.41	0.82	1.11	1.24	1.27	5.70
9	7.08	16.50	6.57	6.69	8.86	2.21	2.59	0.73	0.56	1.33	1.35	4.01
10	5.41	13.44	6.28	4.88	7.05	1.49	3.68	0.46	0.30	1.28	2.14	3.55
11	4.80	12.20	14.69	3.44	6.89	1.16	4.75	0.55	0.58	1.26	21.06	3.47
12	8.35	11.59	11.95	3.08	5.04	0.97	8.25	1.91	1.13	1.08	14.93	3.77
13	8.66	10.26	7.82	5.55	3.35	0.53	5.47	1.66	1.93	1.31	5.03	3.62
14	7.64	9.23	6.71	17.32	4.37	0.54	2.78	0.68	1.26	1.36	3.37	3.54
15	6.22	8.83	5.94	7.85	3.60	1.02	2.05	0.36	0.73	1.31	2.89	4.34
16	5.12	8.51	5.55	4.65	2.32	1.21	1.69	0.67	3.87	1.44	2.69	5.31
17	4.98	8.31	5.43	3.34	1.87	0.98	2.06	0.83	3.60	2.50	2.29	5.04
18	4.76	7.79	5.36	2.66	1.30	0.92	12.14	1.05	1.82	1.79	2.18	4.00
19	4.36	8.55	5.60	2.18	1.42	1.16	13.86	0.46	1.39	1.33	2.29	3.34
20	8.33	8.50	5.28	2.06	1.45	1.12	12.22	0.31	1.48	1.59	2.23	3.19
21	29.88	8.82	4.94	1.64	1.68	2.77	4.61	0.55	2.04	1.70	2.04	3.21
22	12.92	11.89	5.53	1.96	1.33	2.22	3.07	0.52	2.14	1.65	2.00	3.23
23	10.92	24.91	7.15	1.79	2.58	1.34	2.84	0.44	1.33	1.70	2.06	3.27
24	19.07	66.77	8.40	1.78	5.73	1.22	2.23	1.39	1.52	1.66	2.12	3.97
25	11.67	49.57	5.66	15.87	3.58	1.12	4.18	2.60	4.08	1.60	3.35	5.87
26	8.75	24.61	4.58	24.69	2.08	1.04	4.93	1.88	8.06	1.36	7.09	4.35
27	14.76	15.11	4.03	10.42	1.27	0.95	4.23	1.26	10.93	1.17	3.79	3.57
28	15.31	13.08	3.87	6.03	1.23	0.82	2.31	1.28	10.56E	0.62	2.56	3.19
29	9.54		3.77	4.07	1.40	0.72	1.37	1.27	6.70E	0.67	2.81	3.02
30	8.37		3.70	3.15	1.95	0.66	0.86	1.22	5.67E	1.13	2.36	5.13
31	10.14		3.56		4.15		1.80	1.31		1.08		5.10
MEAN	9.187	20.947	7.280	6.068	4.156	1.794	4.179	1.026	2.680	1.577	3.600	4.258
INCHES	1.722	3.546	1.365	1.101	0.779	0.325	0.783	0.192	0.486	0.296	0.653	0.798
STA AV	2.063	2.675	2.661	2.141	1.272	0.462	0.566	0.923	0.543	0.269	0.434	0.937

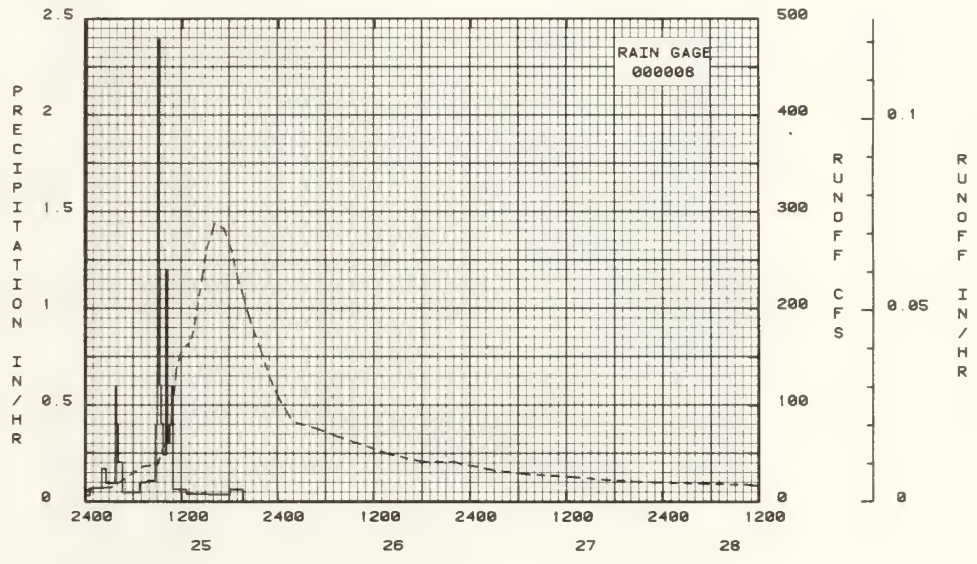
Station Averages: 12 yr beginning 1968.
Conversion Factor: CFS to IN/DAY, multiply by 0.0060C4717.

1978	SELECTED RUNOFF EVENT			TIFTON, GEORGIA LITTLE RIVER WATERSHED C						
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 24 - 30, 1978							
RG 000008				RG 000008						
1-24	0.28	0.065	1-24	2400	0.0	0.0	1-24	2400	12.316	0.0
			1-25	35	0.0343	0.02	1-25	315	15.227	0.0010
				200	0.0706	0.12		710	36.499	0.0017
				235	0.1714	0.22		900	38.503	0.0025
				340	0.0923	0.32		1040	81.781	0.0042
WATERSHED CONDITIONS:				350	0.6000	0.42		1120	138.768	0.0070
Residential, 1.6%; crops,				405	0.4000	0.52		1155	155.457	0.0103
29.6%; pasture, 31.7%;				435	0.2000	0.62		1245	163.758	0.0137
water, 2.9%; roads, 1.3%;				645	0.0462	0.72		1250	161.663	0.0171
forest, 32.9%.				745	0.1000	0.82		1325	176.196	0.0420
				840	0.1091	0.92		1430	232.612	0.0468
				855	0.4000	1.02		1505	262.444	0.0523
				900	1.2000	1.12		1605	288.429	0.0583
				905	2.4000	1.32		1715	281.896	0.0642
				910	1.2000	1.42		1815	258.155	0.0696
				915	1.2000	1.52		1855	232.612	0.0746
				925	0.6000	1.62		1940	211.581	0.0790
				940	0.4000	1.72		2040	184.493	0.0830
				1005	0.2400	1.82		2150	157.532	0.0897
				1010	1.2000	1.92		2300	128.275	0.1008
				1030	0.3000	2.02		2400	108.997	0.1079
				1045	0.4000	2.12	1-26	135	86.514	0.1097
				1055	0.6000	2.22		230	80.499	0.1114
				1235	0.0600	2.32		450	75.430	0.1177
				1515	0.0375	2.42		720	67.426	0.1206
				1805	0.0353	2.52		1020	59.139	0.1218
				1940	0.0632	2.62		1335	49.560	0.1239
								1755	41.055	0.1248
								2205	40.540	0.1274
								2400	36.957	0.1281

Conversion Factor: CFS to IN/HR, multiply by 0.00C251965.

1978 SELECTED RUNOFF EVENT					TIFTON, GEORGIA LITTLE RIVER WATERSHED C				
ANTECEDENT CONDITIONS			RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 24 - 30, 1978 (CONTINUED)							
							1-27	310	31.638	0.1288
								730	27.907	0.1294
								1250	25.203	0.1315
								1730	21.966	0.1320
								2130	20.167	0.1324
								2400	19.728	0.1353
							1-28	455	18.443	0.1357
								1020	17.611	0.1409

Conversion Factor: CFS to IN/HR, multiply by 0.000251965.



EVENT OF JANUARY 24 - 30, 1978

TIFTON, GEORGIA LITTLE RIVER WATERSHED C

1979 SELECTED RUNOFF EVENT TIFTON, GEORGIA LITTLE RIVER WATERSHED C

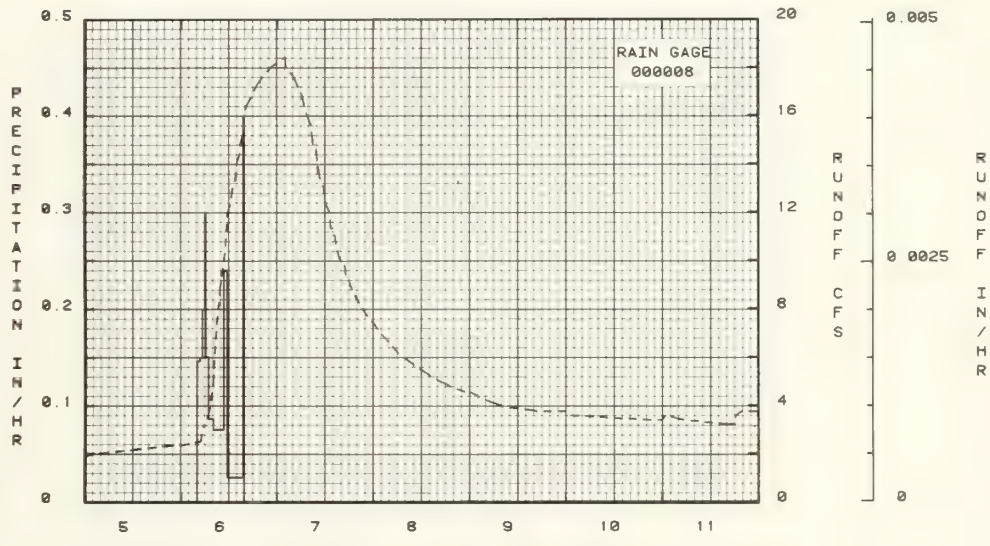
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF DECEMBER 4 - 11, 1979							
RG 000008			RG 000008							
12- 6	0.0		12- 6	359	0.0	0.0	12- 4	2400	1.939	0.0
12- 4		0.013		440	0.1464	0.10	12- 5	550	2.079	0.0000
				520	0.1500	0.20		1355	2.224	0.0001
				550	0.2000	0.30		2200	2.373	0.0001
				610	0.3000	0.40		2400	2.373	0.0013
WATERSHED CONDITIONS:										
Residential, 1.6%; crops,				650	0.1500	0.50	12- 6	455	2.528	0.0020
29.6%; pasture, 31.7%;				800	0.0857	0.60		535	3.194	0.0020
water, 2.9%; roads, 1.3%;				920	0.0750	0.70		605	3.194	0.0022
forest, 32.9%.				1040	0.0750	0.80		715	3.938	0.0023
				1105	0.2400	0.90		800	4.977	0.0024
				1130	0.2400	1.00		855	7.415	0.0032
				1530	0.0250	1.10		955	9.109	0.0033
				1545	0.4000	1.20		1045	10.021	0.0038
								1135	11.974	0.0040
								1215	12.316	0.0053
								1250	13.015	0.0056
								1330	13.372	0.0064
								1355	14.059	0.0067
								1440	14.470	0.0079
								1445	14.846	0.0082
								1525	15.227	0.0086
								1545	16.002	0.0089
								1615	16.397	0.0092
								1735	16.797	0.0096
								1835	17.201	0.0099
								2020	17.611	0.0103
								2220	18.025	0.0107
							12- 7	155	18.443	0.0111
								215	18.025	0.0114
								405	17.611	0.0118
								515	17.201	0.0122
								615	16.797	0.0125
								650	16.397	0.0129
								730	16.002	0.0132
								825	15.612	0.0145
								900	14.846	0.0149
								950	14.470	0.0161
								1020	13.733	0.0164
								1045	13.372	0.0166
								1135	13.015	0.0177
								1210	12.316	0.0180
								1305	11.974	0.0193
								1330	11.304	0.0195
								1430	10.976	0.0206
								1505	10.334	0.0209
								1545	10.021	0.0211
								1700	9.712	0.0223
								1705	9.408	0.0225
								1755	9.109	0.0227
								1840	8.815	0.0229
								1930	8.525	0.0231
								2030	8.240	0.0232
								2125	7.961	0.0234
								2230	7.685	0.0236
								2400	7.415	0.0240
							12- 8	105	7.150	0.0242
								215	6.889	0.0243
								340	6.633	0.0245
								505	6.382	0.0246
								615	6.136	0.0247
								815	5.894	0.0249
								1010	5.658	0.0250
								1215	5.426	0.0251
								1420	5.199	0.0252
								1645	4.977	0.0253
								1920	4.760	0.0254
								2250	4.547	0.0255
								2400	4.547	0.0269
							12- 9	225	4.339	0.0270
								510	4.136	0.0271

Conversion Factor: CFS to IN/HR, multiply by 0.000251965.

1979 SELECTED RUNOFF EVENT TIFTON, GEORGIA LITTLE RIVER WATERSHED C

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF DECEMBER 4 - 11, 1979 (CONTINUED)							
							12- 9	830	3.938	0.0271
								1645	3.745	0.0272
								2400	3.745	0.0341
							12-10	125	3.557	0.0341
								2115	3.373	0.0342
								2400	3.373	0.0365
							12-11	45	3.557	0.0366
								525	3.373	0.0367
								1550	3.194	0.0368
								1810	3.194	0.0386
								1820	3.557	0.0388
								1950	3.745	0.0389
								2400	3.745	0.0428

Conversion Factor: CFS to IN/HR, multiply by 0.000251965.



EVENT OF DECEMBER 4 - 11, 1979

TIFTON, GEORGIA LITTLE RIVER WATERSHED C

TIFTON, GEORGIA LITTLE RIVER WATERSHED F

LOCATION: Turner County, Georgia; approximately 7 miles south of Ashburn on County Road S1989; Little River Watershed, Withlacoochee River Sub-basin, Suwannee River Basin. Lat. 31 deg. 36 min. 17 sec., long. 83 deg. 37 min. 53 sec.

AREA: 28378.00 acres 44.34 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED F

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	7.55	2.84	3.85	3.69	7.22	3.85	3.63	4.13	0.72	0.20	5.75	2.34	45.77
1978	Q	4.438	2.335	2.236	1.255	2.665	0.365	0.157	0.047	0.0	0.0	0.006	0.179	14.684
	P	5.38	9.05	1.44	5.69	4.83	2.70	6.26	4.95	6.84	0.29	4.30	2.09	53.82
1979	Q	1.654	6.076	1.937	2.060	0.986	0.689	0.313	0.179	1.002	0.401	0.869	0.850	17.017
STA AV	P	4.45	4.84	5.61	3.83	5.02	4.28	5.82	5.60	3.11	1.64	2.96	3.73	50.88
	Q	2.030	2.806	2.833	2.231	1.357	0.732	0.619	0.849	0.552	0.167	0.327	0.883	15.385

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	1-26	0.058	1-26	0.058	1-26	0.117	1-26	0.346	1-26	0.664	1-25	1.160	1-25	1.687	1-20	2.801
1979	2-25	0.084	2-25	0.083	2-25	0.167	2-24	0.494	2-24	0.952	2-24	1.690	2-24	2.467	2-23	3.466
MAXIMUMS FOR PERIOD OF RECORD																
	2-25 1979	0.084	2-25 1979	0.083	2-25 1979	0.167	2-24 1979	0.494	2-24 1979	0.952	2-24 1979	1.690	2-24 1979	2.467	4-10 1975	3.530

Watershed Conditions: Residential, 1.8%; forest, 43.7%; commercial, 1.1%; water, 1.8%; crops, 32.5%; wetland, 1.4%; pasture, 17.1%; roads, 0.8%.
Maps: Topographic/Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1975, USDA Misc. Pub. 1446, pages 74.005-33 and 74.002-22.
Precipitation: Records began January 1968. Values are weighted using the Reciprocal Distance Squared Method from 17 recording gages. STA AV values are based on 11 yr beginning 1969.
Runoff: Records began January 1, 1969.
Long-Term Precipitation: National Weather Service records at Tifton, Georgia.

1978 DAILY PRECIPITATION (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED F

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.38	0.0	0.0	0.99	0.0	0.05	0.0	0.0	0.0	0.0	0.0
2	0.0	0.44	0.02	0.0	0.01	0.27	0.29	0.21	0.0	0.0	0.0	0.01
3	0.0	0.0	0.52	0.0	1.87	0.72	0.32	0.66	0.0	0.0	0.0	0.01
4	0.0	0.0	0.0	0.0	0.14	0.01	0.01	0.25	0.09	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.01	0.10	0.0	0.13	0.0	0.0	0.03
6	0.02	0.0	0.0	0.0	0.0	0.0	0.03	0.50	0.01	0.0	0.0	0.0
7	0.0	0.0	0.01	0.0	0.06	0.01	0.01	0.20	0.01	0.0	0.44	0.01
8	0.89	0.17	1.21	0.0	0.86	0.37	0.0	0.28	0.01	0.0	0.0	0.0
9	0.0	0.10	0.83	0.0	0.93	0.03	0.0	0.06	0.0	0.0	0.0	0.15
10	0.0	0.01	0.0	0.0	0.0	0.13	0.03	0.22	0.02	0.0	0.0	0.0
11	0.0	0.0	0.0	0.08	0.0	0.09	0.01	0.52	0.0	0.0	0.0	0.0
12	0.12	0.0	0.0	0.13	0.0	0.02	0.70	0.55	0.0	0.0	0.0	0.01
13	0.58	0.13	0.0	2.14	0.17	0.0	0.02	0.02	0.0	0.20	0.0	0.0
14	0.0	0.0	1.19	0.01	0.0	0.0	0.0	0.0	0.09	0.0	0.0	0.0
15	0.0	0.0	0.04	0.0	0.0	0.0	0.73	0.0	0.01	0.0	0.0	0.0
16	0.0	0.13	0.0	0.01	0.0	0.0	0.92	0.03	0.0	0.0	0.0	0.0
17	0.24	0.0	0.0	0.0	0.36	0.0	0.0	0.0	0.02	0.0	0.0	0.0
18	0.0	0.65	0.0	0.84	0.0	0.0	0.11	0.0	0.01	0.0	0.0	0.0
19	2.16	0.0	0.0	0.17	0.0	0.0	0.0	0.14	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.12	0.0	0.0	0.0
21	0.0	0.0	0.01	0.01	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.11
22	0.0	0.0	0.0	0.0	0.01	0.04	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.01	0.0	0.31	0.20	0.0	0.0	0.13	0.0	0.0	0.0
24	0.28	0.0	0.0	0.0	0.47	0.0	0.02	0.0	0.0	0.0	0.0	2.00
25	3.26	0.0	0.0	0.30	0.01	1.23	0.12	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.98	0.02	0.02	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.01	0.01	0.05	0.0	0.0	0.0	1.13	0.0
28	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
29	0.0		0.01	0.0	0.02	0.58	0.03	0.07	0.06	0.0	3.80	0.01
30	0.0		0.0	0.0	0.02	0.11	0.0	0.02	0.01	0.0	0.37	0.0
31	0.0		0.0		0.0		0.02	0.0		0.0		0.0
TOTAL	7.55	2.84	3.85	3.69	7.22	3.85	3.63	4.13	0.72	0.20	5.75	2.34
STA AV	4.36	4.42	6.03	3.65	5.04	4.44	5.77	5.66	2.74	1.78	2.83	3.90

Gaging: Values are weighted using Reciprocal Distance Squared Method from 17 recording gages.
Station Averages: 10 yr beginning 1969.

In Cooperation with University of Georgia College of Agriculture Experiment Stations, Georgia Institute of Technology, and Middle South Georgia Soil Conservation District

1978	DAILY PRECIPITATION (INCHES)					TIPTON, GEORGIA LITTLE RIVER WATERSHED F						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.07	[illegible]	[illegible]	[illegible]	[illegible]	0.07	[illegible]	0.0	0.09	[illegible]	0.14	[illegible]
2	1.04	[illegible]	[illegible]	[illegible]	[illegible]	0.06	[illegible]	0.0	0.24	0.0	4.99	0.0
3	[illegible]	[illegible]	0.0	0.12	[illegible]	0.01	0.03	0.0	0.05	0.0	0.0	[illegible]
4	[illegible]	0.11	0.12	1.91	0.07	[illegible]	0.01	[illegible]	[illegible]	0.13	0.0	0.0
5	[illegible]	0.02	[illegible]	[illegible]	3.44	0.0	1.33	0.01	0.01	0.06	0.0	[illegible]
6	[illegible]	2.72	[illegible]	0.0	0.01	0.01	0.01	0.0	0.0	0.0	0.0	[illegible]
7	1.32	[illegible]	[illegible]	0.0	[illegible]	1.03	[illegible]	0.01	0.0	0.01	0.0	[illegible]
8	[illegible]	[illegible]	[illegible]	0.21	0.02	0.33	0.0	0.03	[illegible]	0.0	[illegible]	[illegible]
9	0.0	0.0	[illegible]	0.22	0.02	0.01	[illegible]	0.0	0.0	0.01	0.01	[illegible]
10	[illegible]	[illegible]	[illegible]	0.28	0.01	[illegible]	[illegible]	1.11	[illegible]	[illegible]	0.32	[illegible]
11	0.01	[illegible]	0.37	[illegible]	[illegible]	0.0	[illegible]	0.99	0.0	[illegible]	1.95	[illegible]
12	0.36	[illegible]	0.01	[illegible]	[illegible]	0.0	[illegible]	0.04	[illegible]	0.0	0.0	[illegible]
13	0.03	0.0	[illegible]	1.24	[illegible]	0.0	0.18	[illegible]	0.09	0.0	[illegible]	0.0
14	0.20	[illegible]	[illegible]	0.01	0.02	0.0	0.0	[illegible]	0.0	[illegible]	0.0	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.02	[illegible]	0.0	[illegible]	0.0	0.0	0.21
16	[illegible]	0.01	[illegible]	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0	[illegible]
17	0.0	0.0	[illegible]	0.0	0.0	0.0	1.05	0.05	[illegible]	[illegible]	[illegible]	[illegible]
18	0.0	0.01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.01	0.0	0.0	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.52	0.0	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	0.0	0.0	[illegible]	[illegible]	0.0	0.0	0.0	[illegible]	[illegible]	0.0
21	0.0	[illegible]	0.0	[illegible]	0.0	[illegible]	0.13	0.0	0.18	0.0	0.0	[illegible]
22	[illegible]	[illegible]	0.0	[illegible]	[illegible]	0.03	[illegible]	0.01	0.01	[illegible]	[illegible]	[illegible]
23	0.61	[illegible]	0.42	0.0	[illegible]	[illegible]	0.22	0.02	0.0	0.02	[illegible]	0.0
24	0.01	[illegible]	0.0	[illegible]	[illegible]	[illegible]	0.04	0.27	0.67	0.0	[illegible]	[illegible]
25	0.0	0.26	[illegible]	1.53	[illegible]	0.02	0.09	0.49	2.80	[illegible]	0.86	0.0
26	[illegible]	[illegible]	0.0	[illegible]	[illegible]	0.0	0.03	0.0	[illegible]	0.01	[illegible]	[illegible]
27	[illegible]	0.0	0.0	[illegible]	[illegible]	[illegible]	[illegible]	0.78	[illegible]	0.0	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	0.0	[illegible]	0.0	0.0	0.09	0.0	[illegible]	[illegible]	0.0
29	0.0		0.0	0.0	[illegible]	0.0	[illegible]	0.0	0.0	0.0	[illegible]	0.0
30	[illegible]		[illegible]	[illegible]	[illegible]	0.0	0.95	0.94	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]		[illegible]		[illegible]		[illegible]	[illegible]		[illegible]		0.0
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
STA AV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Gaging: Values are weighted using Reciprocal Distance Squared Method from 17 recording gages.
Station Averages: 11 yr beginning 1965.

1978	MEAN DAILY DISCHARGE (CFS)					TIPTON, GEORGIA LITTLE RIVER WATERSHED F						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	[illegible]	118.5	113.8	32.6	[illegible]	14.7E	11.5	0.0	0.0	0.0	0.0	17.5
2	59.0	183.0	135.1	[illegible]	69.2	[illegible]	6.2	0.0	0.0	0.0	0.0	15.6
3	44.9	221.2	137.3	25.4	102.4	18.5	7.6	0.0	0.0	0.0	0.0	8.4
4	36.6	176.5	143.2	22.5	383.5	80.7	9.7	0.0	0.0	0.0	0.0	6.6
5	32.8	130.9	[illegible]	19.9	307.5	51.8	8.2	0.1	0.0	0.0	0.0	5.4
6	31.5	108.1	82.6	17.8	168.8	26.5	5.8	1.0	0.0	0.0	0.0	4.0
7	33.0	96.5	64.5	16.3	83.8	16.7	3.9	0.5	0.0	0.0	0.0	3.1
8	45.7	90.8	127.1	18.8	65.6	11.7	2.6	0.6	0.0	0.0	0.0	2.7
9	95.6	99.3	269.3	15.4	270.0	16.9	1.4	4.3	0.0	0.0	0.0	2.7
10	106.5	104.8	331.1	12.2	425.3	22.1	0.6	2.6	0.0	0.0	0.0	2.4
11	79.5	98.7	252.1	8.9	209.2	15.0	0.2	4.5	0.0	0.0	0.0	2.1
12	55.3	86.9	168.7	10.4	105.3	16.0	0.5	12.6	0.0	0.0	0.0	2.0
13	65.7	81.7	125.5	104.8	68.9	10.0	2.3	7.3	0.0	0.0	0.0	1.8
14	95.3	81.6	194.6	238.3	64.9	6.4	1.4	9.8	0.0	0.0	0.0	1.6
15	96.1	75.3	324.2	189.4	49.0	[illegible]	1.5	6.9	0.0	0.0	0.0	1.4
16	74.2	72.6	252.3	96.5	33.5	2.3	50.5	3.0	0.0	0.0	0.0	1.4
17	61.2	74.3	153.0	42.4	28.2	1.7	46.7	1.3E	0.0	0.0	0.0	1.3
18	63.1	119.8	108.3	52.9	42.4	1.0	15.2	0.7	0.0	0.0	0.0	1.3
19	159.1	147.7	89.4	119.3	58.4	0.6	5.9	0.3	0.0	0.0	0.0	1.3
20	342.7	121.9	80.5	105.9	39.0	0.3	2.6	0.1	0.0	0.0	0.0	1.3
21	307.8	90.5	74.7	77.1	25.0	0.1	1.4	0.2	0.0	0.0	0.0	1.5
22	190.7	70.7	71.4	41.3	17.8	0.0	0.8	0.5	0.0	0.0	0.0	1.9
23	126.0	61.8	68.1	26.3	12.8	0.0	0.5	0.1	0.0	0.0	0.0	1.4
24	103.5	56.7	64.7	23.0	15.8	0.0	0.2	0.0	0.0	0.0	0.0	22.6
25	415.2	53.5	60.1	21.2	116.6	0.0	0.1	0.0	0.0	0.0	0.0	35.2
26	1381.5E	51.8	52.9	23.8	62.3	9.1	0.0	0.0	0.0	0.0	0.0	25.4
27	471.8	49.6	47.1	33.9	112.0	71.5	0.0	0.0	0.0	0.0	0.0	12.2
28	226.7	59.5	42.8	34.8	116.1	12.5	0.0	0.0	0.0	0.0	0.0	8.5
29	161.8		39.4	21.2	59.1E	5.6	0.0	0.0	0.0	0.0	0.0	7.0
30	137.6		36.7	14.6	26.0E	10.3	0.0	0.0	0.0	0.0	6.9	7.3
31	122.0		34.4		18.8F		0.0	0.0		0.0		7.1
MEAN	170.6E	99.43	124.47	49.87	102.50	14.53	6.04	1.83	0.0	0.0	0.23	6.89
INCHES	4.43E	2.335	3.236	1.255	2.665	0.365	0.157	0.047	0.0	0.0	0.006	0.179
STA AV	2.067	2.479	2.923	2.249	1.394	0.737	0.649	0.916	0.507	0.143	0.271	0.986

Station Averages: 10 yr beginning 1965.
Conversion Factor: CFS to IN/DAY, multiply by 0.000838736.

1979 MEAN DAILY DISCHARGE (CFS) TIFTON, GEORGIA LITTLE RIVER WATERSHED F

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.3	71.9	151.0	27.4	34.7	95.3	0.6	25.1	18.7	76.0	1.2	19.3
2	29.0	66.7	128.6	22.6	28.3	83.2	0.3	23.5	12.7	54.8	1.5	17.0
3	38.3	59.9	117.9	20.6	23.9	63.0	0.2	9.5	8.7	41.1	15.6	15.7
4	34.1	88.9	114.1	99.0	21.0	37.2	0.1	3.7	7.7	31.4	34.9	14.9
5	25.6	140.8	115.8	224.1	22.2	22.8	0.1	1.8	5.9	28.0	25.5	14.5
6	22.3	201.3	107.9	203.0	69.1	13.3	0.6	0.9	3.6	28.5	16.5	36.2
7	33.9	748.7	92.2	111.1	79.7	9.7	5.2	0.4	2.0	29.5	9.7	87.2
8	75.0	488.5	85.4	60.8	150.4	174.6	3.8	0.2	1.1	20.7	7.0	95.2
9	86.4	243.1	83.7	64.7	89.0	106.1	3.2	0.0	0.5	15.6	5.6	69.8
10	70.8	160.9	83.0	71.4	61.1	59.2	3.9	0.0	0.3	13.3	5.8	40.7
11	54.8	127.4	99.2	57.8	73.7	24.3	6.8	0.3	0.1	13.0	67.3	30.1
12	54.4	112.4	123.9	42.7	94.3	13.2	11.3	30.9	0.3	14.0	134.4	27.5
13	60.6	105.0	117.9	40.8	49.7	7.5	18.6	37.3	0.8	11.9	135.4	25.6
14	66.4	98.7	88.9	178.8	69.3	5.6	14.8	15.6	4.0	10.1	93.0	27.4
15	64.2	95.4	69.9	162.9	73.3	3.9	7.1	6.3	2.8	10.0	48.2	30.4
16	55.9	90.4	63.1	134.1	44.8	4.3	5.3	3.0	2.0	8.5	28.8	36.2
17	49.3	86.4	55.6	63.2	23.2	4.3	11.2	1.8	4.4	7.7	23.4	39.4
18	43.6	79.7	52.4	39.2	14.9	4.2	78.8	1.0	4.5	7.1	20.9	34.9
19	39.7	78.6	52.1	33.3	10.6	1.8	32.1	0.5	4.5	7.1	26.5	28.2
20	42.2	81.0	48.3	24.7	8.4	1.1	61.3	0.2	3.6	6.9	21.9	23.7
21	96.0	83.7	44.7	20.3	8.5	7.9	25.0	0.1	2.9	6.3	16.8	21.3
22	109.6	86.0	41.9	17.0	8.0	23.0	21.7	0.0	2.7	5.8	15.4	20.4
23	90.6	124.3	47.8	14.1	9.1	10.4	13.8	0.0T	2.2	5.3	15.2	20.4
24	96.7	1101.9E	64.0	12.6	27.9	17.9	11.1	0.0	1.7	5.1	15.2	22.1
25	106.6	1723.5E	62.7E	49.8	32.7	10.6	11.8	0.0T	31.1	4.4	16.7	38.9
26	94.2	460.4	50.9E	189.1	19.4	6.5	7.1	0.0	181.2	3.9	47.6	44.6
27	93.6	256.5	37.0	202.9	10.4	5.2	4.9	0.4	347.0	3.1	62.3	35.3
28	96.9	183.5	30.2	137.3	6.0	3.1	3.3	0.5	268.7	2.4	56.0	25.3
29	89.6		27.6	84.3	3.5	1.7	1.8	0.3	164.7	2.0	42.3	21.2
30	73.8		25.7	47.5	2.6	1.0	1.1	19.5	103.9	1.6	25.3	23.3
31	71.3		26.1		5.8		6.2	31.1		1.3		27.2
MEAN	63.63	258.74	74.49	81.89	37.92	27.40	12.03	6.90	39.81	15.43	34.53	32.71
INCHES	1.654	6.076	1.937	2.060	0.986	0.689	0.313	0.179	1.002	0.401	0.869	0.850
STA AV	2.030	2.806	2.833	2.231	1.357	0.732	0.619	0.849	0.552	0.167	0.327	0.883

Station Averages: 11 yr beginning 1969.
Conversion Factor: CFS to IN/DAY, multiply by 0.000838736.

1978 SELECTED RUNOFF EVENT TIFTON, GEORGIA LITTLE RIVER WATERSHED F

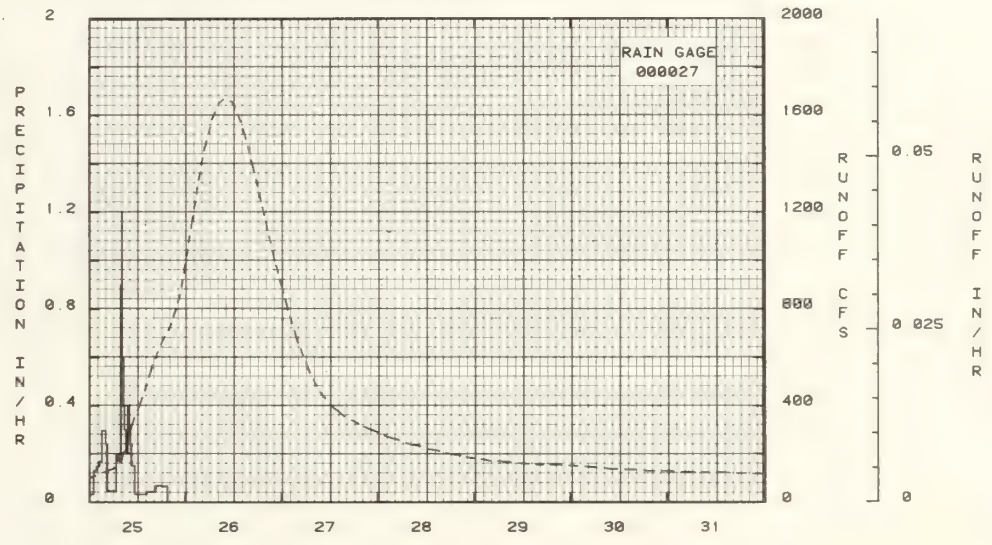
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 24 - 31, 1978							
RG 000027				RG 000027						
1-24	0.36	0.087	1-24	2400	0.0	0.0	1-24	2400	102.824	0.0
			1-25	110	0.0343	0.04	1-25	635	145.723	0.0004
				155	0.1333	0.14		810	169.634	0.0009
				235	0.1500	0.24		840	210.666	0.0015
				310	0.1714	0.34		1045	324.791	0.0024
WATERSHED CONDITIONS:										
Residential, 1.8%; forest,				330	0.3000	0.44		1320	434.544	0.0037
43.7%; commercial, 1.1%;				350	0.3000	0.54		1550	568.948	0.0118
water, 1.8%; crops, 32.3%;				410	0.3000	0.64		1800	660.479	0.0138
wetland, 1.4%; pasture,				435	0.2400	0.74		2030	741.197	0.0159
17.1%; roads, 0.8%.				645	0.0462	0.84		2240	861.554	0.0258
				715	0.2000	0.94		2400	966.375	0.0343
				750	0.1714	1.04	1-26	155	1187.010	0.0378
				810	0.9000	1.34		320	1338.855	0.0417
				815	1.2000	1.44		450	1468.480	0.0459
				825	0.6000	1.54		645	1590.385	0.0597
				835	0.6000	1.64		825	1652.427	0.0645
				850	0.4000	1.74		930	1669.471	0.0694
				910	0.3000	1.84		1130	1658.103	0.0791
				940	0.2000	1.94		1315	1601.614	0.0837
				955	0.4000	2.04		1435	1534.613	0.0882
				1015	0.3000	2.14		1510	1501.437	0.0926
				1040	0.2400	2.24		1715	1365.569	0.1969
				1120	0.1500	2.34		1945	1187.010	0.2144
				1425	0.0324	2.44		2150	1035.562	0.2174
				1640	0.0444	2.54		2400	894.724	0.2333
				1805	0.0706	2.64	1-27	140	756.190	0.2356
				1935	0.0667	2.74		410	660.479	0.2993
								710	534.800	0.3040
								950	451.042	0.3053
								1305	389.542	0.3064

Conversion Factor: CFS to IN/HR, multiply by 0.000034473.

1978 SELECTED RUNOFF EVENT TIFTON, GEORGIA LITTLE RIVER WATERSHED F

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 24 - 31, 1978 (CONTINUED)							
							1-27	1550	353.049	0.3075
								1910	324.791	0.3113
								2125	304.628	0.3121
								2400	288.488	0.3163
							1-28	235	268.251	0.3171
								525	256.058	0.3231
								800	239.703	0.3238
								1040	231.471	0.3319
								1230	219.032	0.3325
								1530	210.666	0.3399
								1800	197.979	0.3405
								2040	193.706	0.3495
								2210	185.064	0.3501
								2400	180.729	0.3527
							1-29	230	176.342	0.3614
								405	169.634	0.3619
								910	165.117	0.3706
								1335	156.310	0.3710
								2000	154.155	0.3921
								2400	149.902	0.3934
							1-30	635	143.661	0.4014
								1000	137.585	0.4018
								1630	133.625	0.4131
								1910	129.738	0.4135
								2400	127.820	0.4213
							1-31	510	124.040	0.4216
								1350	122.176	0.4412
								1750	118.502	0.4416
								2400	116.691	0.4487

Conversion Factor: CFS to IN/HR, multiply by 0.0000349473.



EVENT OF JANUARY 24 - 31, 1978

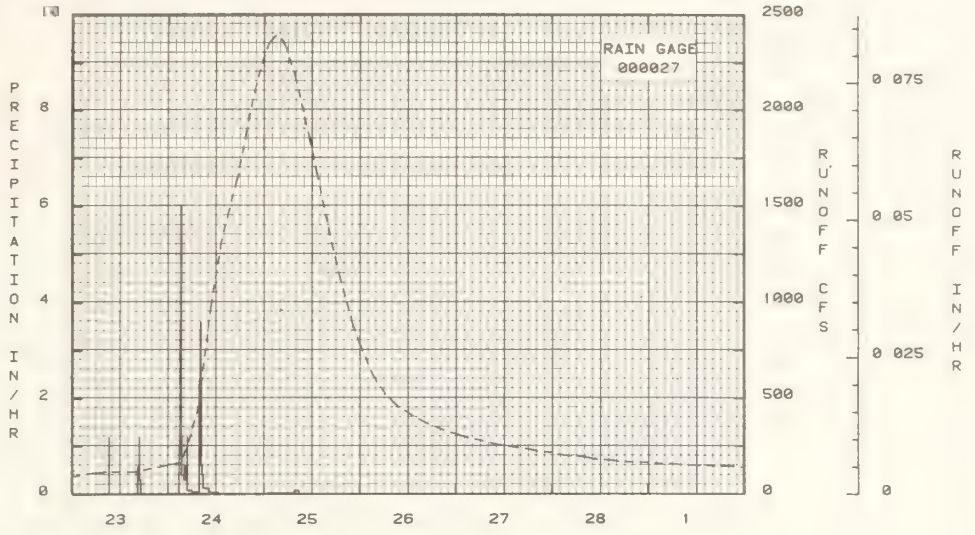
TIFTON, GEORGIA LITTLE RIVER WATERSHED F

1979 SELECTED RUNOFF EVENT TIFTON, GEORGIA LITTLE RIVER WATERSHED E

EVENT OF FEBRUARY 22 - MARCH 2 1979

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
RG 000027			RG 000027							
2-23	0.50		2-23	910	0.0	0.0	2-22	2400	97.904	0.0
2-22		0.072		915	1.2000	0.10	2-23	515	116.691	0.0003
				1624	0.0	0.10		925	120.330	0.0007
				1635	0.5455	0.20		1605	122.176	0.0124
				1645	0.6000	0.30		2335	156.310	0.0142
WATERSHED CONDITIONS:										
Residential, 1.8%; forest,				1650	1.2000	0.40		2400	158.483	0.0161
43.7%; commercial, 1.1%;				1710	0.3000	0.50	2-24	245	167.366	0.0200
water, 1.8%; crops, 32.3%;			2-24	249	0.0	0.50		440	243.805	0.0207
wetland, 1.4%; pasture,				255	1.6000	0.60		735	463.469	0.0220
17.1%; roads, 0.8%.				300	1.2000	0.70		1055	1020.740	0.0250
				305	3.6000	1.00		1325	1333.531	0.0289
				310	3.6000	1.30		1455	1457.543	0.0331
				315	6.0000	1.80		1730	1669.471	0.0379
				320	1.2000	1.90		1945	1913.621	0.0435
				325	1.2000	2.00		2140	2106.402	0.0496
				340	0.4000	2.10		2340	2273.495	0.0562
				355	0.4000	2.20		2400	2292.305	0.0762
				415	0.3000	2.30	2-25	110	2355.368	0.0898
				425	0.6000	2.40		250	2353.460	0.0968
				445	0.3000	2.50		425	2374.389	0.1175
				450	1.2000	2.60		550	2311.165	0.1243
				600	0.0857	2.70		810	2143.194	0.1494
				750	0.0545	2.80		1140	1819.406	0.1600
				755	2.4000	3.00		1330	1641.094	0.1696
				805	2.4000	3.40		1655	1307.908	0.1734
				810	3.6000	3.70		1915	1105.519	0.1766
				815	2.4000	3.90		2140	923.408	0.1793
				820	1.2000	4.00		2245	852.137	0.1818
				830	0.6000	4.10		2400	782.354	0.2175
				845	0.4000	4.20	2-26	315	620.907	0.2267
				930	0.1333	4.30		620	522.094	0.2298
				1020	0.1200	4.40		935	455.179	0.2311
				1235	0.0444	4.50		1310	409.937	0.2323
			2-25	44	0.0	4.50		1710	365.187	0.2334
				410	0.0291	4.60		2100	332.856	0.2344
				735	0.0293	4.70		2400	312.694	0.2353
				840	0.0923	4.80	2-27	300	292.523	0.2362
								650	276.355	0.2426
								945	260.127	0.2434
								1350	247.897	0.2506
								1740	235.592	0.2595
								2020	223.191	0.2602
								2400	214.857	0.2683
							2-28	135	206.456	0.2689
								450	197.979	0.2695
								805	193.706	0.2802
								1115	180.729	0.2807
								1445	176.342	0.2905
								1640	169.634	0.2910
								2400	162.867	0.2976
							3- 1	635	156.310	0.3076
								1115	149.902	0.3081
								1940	145.723	0.3183
								2400	139.592	0.3231

Conversion Factor: CFS to IN/HR, multiply by 0.000349473.



EVENT OF FEBRUARY 22 - MARCH 2, 1979

TIFTON, GEORGIA LITTLE RIVER WATERSHED F

TIFTON, GEORGIA LITTLE RIVER WATERSHED I

LOCATION: Turner County, Georgia; approximately 3 miles west of Ashburn on State Highway 112; Little River Watershed, Withlacoochee River Sub-basin, Suwannee River Basin. Lat. 31 deg. 40 min. 28 sec., Long. 83 deg. 41 min. 26 sec.

AREA: 12333.00 acres 19.27 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED I

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	8.29	2.72	3.82	3.71	6.41	3.61	3.53	4.79	0.66	0.01	5.53	2.57	45.65
1978	Q	5.372	2.532	3.475	1.365	2.479	0.385	0.081	0.051	0.0	0.0	0.0	0.036	15.777
	P	5.46	9.56	1.58	5.63	4.56	1.67	6.72	5.53	7.31	0.36	4.45	2.17	55.00
1979	Q	1.736	6.814	2.253	2.168	0.886	0.317	0.171	0.334	1.678	0.602	1.102	1.056	19.118
STA AV	P	4.44	4.71	5.51	3.55	4.86	4.02	6.00	5.66	2.78	1.45	3.04	3.97	49.98
	Q	2.132	2.927	3.131	2.174	1.440	0.755	0.600	1.034	0.589	0.152	0.387	0.864	16.186

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	1-25	0.098	1-25	0.098	1-25	0.195	1-25	0.563	1-25	1.027	1-25	1.661	1-25	2.232	1-19	3.633
1979	2-24	0.134	2-24	0.133	2-24	0.266	2-24	0.766	2-24	1.378	2-24	2.103	2-24	2.754	2-23	3.759
MAXIMUMS FOR PERIOD OF RECORD																
	2-24	0.134	2-24	0.133	2-24	0.266	2-24	0.766	2-24	1.378	2-24	2.103	2-24	2.754	5-28	4.143
	1979		1979		1979		1979		1979		1979		1979		1970	

Watershed Conditions: Residential, 0.1%; water, 1.0%; crops, 27.1%; wetland, 0.3%; pasture, 16%; roads, 0.9%; forest, 54.6%.
Maps: Topographic/Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1975, USDA Misc. Pub. 1446, pages 74.006-30 and 74.002-22.
Precipitation: Records began January 1968. Values are weighted using the Reciprocal Distance Squared Method from 11 recording gages. STA AV values are based on 12 yr beginning 1968.
Runoff: Records began January 1, 1968.
Long-Term Precipitation: National Weather Service records at Tifton, Georgia.

1978 DAILY PRECIPITATION (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED I

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.40	0.0	0.0	1.06	0.0	0.03	0.0	0.0	0.0	0.0	0.0
2	0.0	0.41	0.01	0.0	0.01	0.31	0.42	0.41	0.0	0.0	0.0	0.01
3	0.0	0.0	0.48	0.0	1.72	0.55	0.47	0.74	0.0	0.0	0.0	0.02
4	0.0	0.0	0.0	0.0	0.03	0.02	0.01	0.19	0.04	0.0	0.0	0.0
5	0.0	0.0	0.01	0.0	0.0	0.01	0.13	0.01	0.23	0.0	0.0	0.04
6	0.03	0.0	0.0	0.0	0.0	0.0	0.03	0.72	0.0	0.0	0.0	0.0
7	0.0	0.0	0.01	0.0	0.03	0.01	0.0	0.06	0.0	0.0	0.44	0.01
8	0.94	0.14	1.19	0.0	0.80	0.47	0.0	0.50	0.0	0.0	0.0	0.01
9	0.0	0.12	0.86	0.0	0.70	0.04	0.0	0.06	0.0	0.01	0.0	0.18
10	0.0	0.01	0.0	0.0	0.0	0.14	0.02	0.11	0.04	0.0	0.0	0.01
11	0.0	0.0	0.01	0.06	0.0	0.09	0.02	0.62	0.0	0.0	0.0	0.01
12	0.13	0.0	0.01	0.10	0.0	0.0	0.52	0.89	0.0	0.0	0.0	0.0
13	0.62	0.12	0.0	2.09	0.14	0.0	0.01	0.01	0.0	0.0	0.01	0.0
14	0.0	0.0	1.16	0.0	0.0	0.01	0.0	0.0	0.21	0.0	0.0	0.0
15	0.0	0.0	0.03	0.0	0.0	0.0	0.64	0.0	0.01	0.0	0.0	0.0
16	0.0	0.10	0.0	0.0	0.0	0.0	0.79	0.04	0.0	0.0	0.0	0.0
17	0.23	0.01	0.0	0.01	0.48	0.0	0.01	0.0	0.01	0.0	0.0	0.0
18	0.0	0.54	0.0	0.78	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.01
19	2.36	0.0	0.0	0.20	0.0	0.0	0.01	0.25	0.0	0.0	0.0	0.01
20	0.01	0.0	0.0	0.0	0.0	0.0	0.06	0.01	0.06	0.0	0.0	0.0
21	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.10
22	0.0	0.0	0.01	0.0	0.0	0.07	0.01	0.0	0.0	0.0	0.0	0.01
23	0.0	0.0	0.01	0.0	0.22	0.31	0.0	0.0	0.0	0.0	0.0	0.0
24	0.28	0.0	0.0	0.0	0.08	0.0	0.05	0.0	0.0	0.0	0.0	2.15
25	3.69	0.0	0.0	0.46	0.02	1.13	0.01	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.01	1.06	0.01	0.01	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.01	0.0	0.05	0.0	0.0	0.0	1.18	0.0
28	0.0	0.87	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.02	0.0
29	0.0		0.0	0.0	0.04	0.29	0.0	0.15	0.04	0.0	3.51	0.0
30	0.0		0.0	0.0	0.01	0.15	0.0	0.01	0.01	0.0	0.37	0.0
31	0.0		0.01		0.0		0.01	0.0		0.0		0.0
TOTAL	8.29	2.72	3.82	3.71	6.41	3.61	3.53	4.79	0.66	0.01	5.53	2.57
STA AV	4.34	4.27	5.87	3.36	4.89	4.23	5.93	5.67	2.37	1.55	2.91	4.13

Gaging: Values are weighted using Reciprocal Distance Squared Method from 11 recording gages.
Station Averages: 11 yr beginning 1968.

In Cooperation with University of Georgia College of Agriculture Experiment Stations, Georgia Institute of Technology, and Middle South Georgia Soil Conservation District

1979 DAILY PRECIPITATION (INCHES) TIPTON, GEORIGA LITTLE RIVER WATERSHED I

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.11	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.08	0.0	0.13	0.0
2	1.06	0.01	0.0	0.0	0.0	0.08	0.0	0.0	0.42	0.0	1.15	0.0
3	0.0	1.13	0.0	0.14	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
4	0.0	0.13	0.15	1.78	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0
5	0.0	0.03	0.0	0.0	0.35	0.0	1.65	0.0	0.0	0.03	0.0	0.0
6	0.01	2.63	0.0	0.0	0.01	0.01	0.01	0.0	0.0	0.0	0.0	1.14
7	1.38	0.05	0.04	0.0	0.38	0.48	0.58	0.0	0.0	0.0	0.0	0.0
8	0.06	0.0	0.15	0.24	0.02	0.28	0.0	0.06	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.17	0.03	0.02	0.37	0.0	0.0	0.01	0.02	0.0
10	0.0	0.0	0.32	0.0	0.55	0.0	0.01	1.67	0.0	0.05	0.33	0.0
11	0.02	0.0	0.39	0.0	0.02	0.0	0.33	0.79	0.0	0.0	1.84	0.0
12	0.36	0.0	0.02	0.0	0.33	0.0	0.26	0.01	0.80	0.0	0.0	0.0
13	0.02	0.0	0.0	1.30	0.45	0.0	0.31	0.0	0.01	0.0	0.0	0.01
14	0.20	0.01	0.05	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.07
15	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.28
16	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.02
17	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.0	0.05	0.01	0.0	0.0
18	0.0	0.03	0.0	0.0	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.0
19	0.0	0.28	0.0	0.0	0.02	0.0	0.36	0.0	0.0	0.0	0.0	0.01
20	0.92	0.0	0.01	0.0	0.07	0.27	0.0	0.01	0.0	0.01	0.0	0.0
21	0.0	0.22	0.0	0.0	0.0	0.03	0.04	0.0	0.15	0.0	0.0	0.0
22	0.0	0.39	0.0	0.0	0.0	0.02	0.19	0.02	0.02	0.0	0.0	0.0
23	0.66	0.27	0.45	0.0	0.73	0.31	0.13	0.02	0.0	0.03	0.0	0.0
24	0.0	4.13	0.0	0.19	0.02	0.05	0.03	0.32	0.81	0.0	0.0	0.39
25	0.0	0.24	0.0	1.40	0.0	0.02	0.15	0.44	3.13	0.0	0.96	0.0
26	0.0	0.0	0.0	0.39	0.0	0.0	0.07	0.01	1.28	0.0	0.0	0.01
27	0.39	0.0	0.0	0.01	0.0	0.0	0.0	1.50	0.03	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.01	0.0	0.02	0.0
29	0.0		0.0	0.0	0.0	0.0	0.02	0.0	0.01	0.0	0.0	0.0
30	0.14		0.0	0.0	0.44	0.0	1.39	0.52	0.01	0.0	0.0	0.24
31	0.13		0.0		1.13		0.04	0.08		0.0		0.0
TOTAL	5.46	9.56	1.58	5.63	4.56	1.67	6.72	5.53	7.31	0.36	4.45	2.17
STA AV	4.44	4.71	5.51	3.55	4.86	4.02	6.00	5.66	2.78	1.45	3.04	3.97

Gaging: Values are weighted using Reciprocal Distance Squared Method from 11 recording gages.
Station Averages: 12 yr beginning 1968.

1978 MEAN DAILY DISCHARGE (CFS) TIPTON, GEORIGA LITTLE RIVER WATERSHED I

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	32.63	56.81	73.23	16.40	16.32	4.45	2.39	0.0	0.0	0.0	0.0	0.0
2	24.23	99.97	58.38	14.73	52.79	3.72	1.79	0.0	0.0	0.0	0.0	0.0
3	20.14	104.37	57.29	13.15	53.11	15.70	3.85	0.0	0.0	0.0	0.0	0.0
4	17.99	67.97	59.84	11.87	222.34	21.21	5.95	0.0	0.0	0.0	0.0	0.0
5	16.59	54.24	42.62	10.67	121.63	13.64	3.89	0.0	0.0	0.0	0.0	0.0
6	16.85	49.35	31.97	9.82	40.15	8.47	1.85	0.0	0.0	0.0	0.0	0.0
7	17.96	45.90	28.94	13.71	26.78	5.58	1.89	0.0	0.0	0.0	0.0	0.0
8	27.26	44.38	77.41	11.72	26.81	5.71	0.72	0.0	0.0	0.0	0.0	0.0
9	55.19	50.85	152.96	9.33	143.26	12.91	0.14	0.0	0.0	0.0	0.0	0.0
10	48.00	52.23	173.20	6.15	136.62	9.46	0.04	0.97	0.0	0.0	0.0	0.0
11	29.62	45.81	91.82	5.02	51.42	6.73	0.04	3.25	0.0	0.0	0.0	0.0
12	23.08	40.57	59.98	7.75	27.95	6.31	0.02	2.76	0.0	0.0	0.0	0.0
13	36.65	39.76	49.62	58.64	25.31	5.03	3.53	7.26	0.0	0.0	0.0	0.0
14	53.39	40.09	108.05	146.80	26.09	1.86	1.29	7.70	0.0	0.0	0.0	0.0
15	42.36	36.64	185.56	57.54	17.30	1.34	0.35	2.78	0.0	0.0	0.0	0.0
16	29.41	34.39	82.96	22.97	13.37	1.40	4.33	1.06	0.0	0.0	0.0	0.0
17	28.24	36.74	55.30	14.92	18.23	0.50	5.02	0.40	0.0	0.0	0.0	0.0
18	31.99	59.69	44.67	20.54	36.04	0.09	2.66	0.08	0.0	0.0	0.0	0.0
19	118.12	65.65	39.57	49.39	23.64	0.00	1.36	0.0 T	0.0	0.0	0.0	0.0
20	283.97	47.65	36.27	49.61	14.63	0.0	0.74	0.0	0.0	0.0	0.0	0.0
21	131.40	37.26	34.79	24.61	10.58	0.0	0.25	0.0	0.0	0.0	0.0	0.0
22	64.45	32.54	34.34	14.61	7.63	0.0	0.03	0.0	0.0	0.0	0.0	0.0
23	50.35	29.11	35.15	11.50	5.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	46.71	28.05	31.71	10.82	21.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	564.57E	27.19	27.15	10.50	11.38	10.57	0.0	0.0	0.0	0.0	0.0	0.0
26	544.66E	26.65	25.11	20.39	12.77	48.83	0.0	0.0	0.0	0.0	0.0	0.04
27	157.45	24.78	23.91	28.32	53.13	7.65	0.0	0.0	0.0	0.0	0.0	2.03
28	82.55	33.53	21.47	16.09	38.25	2.27	0.0	0.0	0.0	0.0	0.0	3.35
29	69.83		20.44	9.97	13.97	2.28	0.0	0.0	0.0	0.0	0.0	3.34
30	61.17		19.03	9.85	9.21	3.97	0.0	0.0	0.0	0.0	0.0	4.12
31	56.98		18.17		6.80		0.0	0.0		0.0		5.07
MEAN	89.791	46.858	58.087	23.575	41.436	6.655	1.359	0.847	0.0	0.0	0.0	0.408
INCHES	5.372	2.532	3.475	1.365	2.479	0.385	0.081	0.051	0.0	0.0	0.0	0.036
STA AV	2.168	2.574	3.210	2.175	1.491	0.795	0.639	1.097	0.490	0.111	0.322	0.847

Station Averages: 11 yr beginning 1968.
Conversion Factor: CFS to IN/DAY, multiply by 0.001929915.

1979	MEAN DAILY DISCHARGE (CFS)				TIFTON, GEORGIA LITTLE RIVER WATERSHED I							
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.40	34.43	62.53	14.71	14.80	28.62	0.0	25.44	9.03	32.36	1.28	11.35
2	8.08	31.16	58.37	13.45	13.29	42.15	0.0	11.00	7.26	27.11	5.52	10.88
3	13.90	28.46	54.92	12.78	11.08	18.06	0.0	3.60	8.14	21.99	25.56	10.01
4	14.09	64.53	56.87	62.37	10.01	9.62	0.0	1.77	6.54	18.28	22.75	9.44
5	11.10	84.74	58.11	161.53	11.88	6.15	0.0	0.82	4.16	20.50	15.38	9.66
6	9.52	139.52	48.73	69.28	21.95	3.94	1.41	0.33	2.61	25.82	8.46	24.47
7	16.85	457.65	42.07	33.59	20.36	3.22	2.34	0.05	1.47	17.45	6.34	52.44
8	41.29	184.12	42.42	23.74	27.52	15.58	1.75	0.0	0.83	13.06	5.19	45.08
9	38.08	82.73	45.38	31.52	25.34	16.05	1.20	0.0	0.47	11.12	4.47	24.26
10	28.99	63.14	39.15	33.08	32.23	7.57	4.04	0.0	0.16	10.72	5.13	16.46
11	22.32	54.56	56.55	24.63	50.88	3.90	4.22	8.84	0.01	13.02	41.09	14.34
12	23.71	50.25	70.26	19.42	27.91	2.04	4.28	33.65	0.08	10.20	84.82	13.60
13	30.23	47.78	51.04	22.96	18.48	0.82	6.04	16.17	0.50	9.42	60.06	13.97
14	32.28	45.51	38.82	80.15	41.50	0.30	4.54	6.19	1.15	8.94	29.16	15.03
15	28.99	41.72	36.21	99.57	30.87	0.10	4.16	3.02	1.53	6.25	17.26	16.81
16	25.60	40.60	31.27	38.51	15.34	0.06	2.03	1.47	1.56	5.58	13.57	21.02
17	22.46	38.92	28.88	22.11	9.40	5.05	0.91	0.69	2.67	5.85	12.33	21.93
18	20.89	38.76	29.75	17.25	6.39	0.59	1.97	0.23	4.34	6.46	11.45	17.28
19	21.14	40.68	27.81	14.65	4.56	0.09	10.73	0.03	3.86	6.13	10.55	14.27
20	23.26	44.13	26.01	12.82	3.73	0.03	7.57	0.0	2.87	5.84	9.83	12.92
21	48.68	43.52	24.62	11.02	3.17	0.16	6.40	0.0	2.17	5.51	9.21	12.53
22	49.13	47.43	23.40	9.45	2.81	0.07	3.40	0.0	1.94	4.94	9.01	12.00
23	36.87	67.29	27.84	8.34	4.05	0.04	1.51	0.0	1.46	4.41	9.51	11.88
24	50.04	900.49E	38.72	8.00	16.51	0.14	1.14	0.0	1.15	4.49	9.05	13.95
25	52.02	493.97E	34.28	29.22	15.06	0.04	1.09	0.0	41.99	4.07	10.73	24.13
26	40.30	190.27	24.20	86.27	7.90	0.01	0.78	0.0	292.09	3.28	33.06	23.31
27	39.94	100.07	19.26	75.65	4.37	0.0 T	0.59	0.0	250.83	2.58	39.68	16.65
28	44.13	74.80	17.63	45.19	2.44	0.0	0.30	2.98	113.34	2.07	30.01	13.42
29	37.95		16.48	24.81	1.32	0.0	0.04	34.30	61.57	1.70	17.40	13.61
30	31.20		15.89	17.38	0.69	0.0	0.74	13.39	43.66	1.58	12.91	13.74
31	33.43		20.31		2.69		15.28	9.24		1.41		16.55
MEAN	29.02	126.10	37.67	37.44	14.80	5.48	2.85	5.59	28.98	10.07	19.03	17.64
INCHES	1.73€	6.814	2.253	2.168	0.886	0.317	0.171	0.334	1.678	0.602	1.102	1.056
STA AV	2.132	2.927	3.131	2.174	1.440	0.755	0.600	1.034	0.589	0.152	0.387	0.864

Station Averages: 12 yr beginning 196€.
Conversion Factor: CFS to IN/DAY, multiply by 0.001929915.

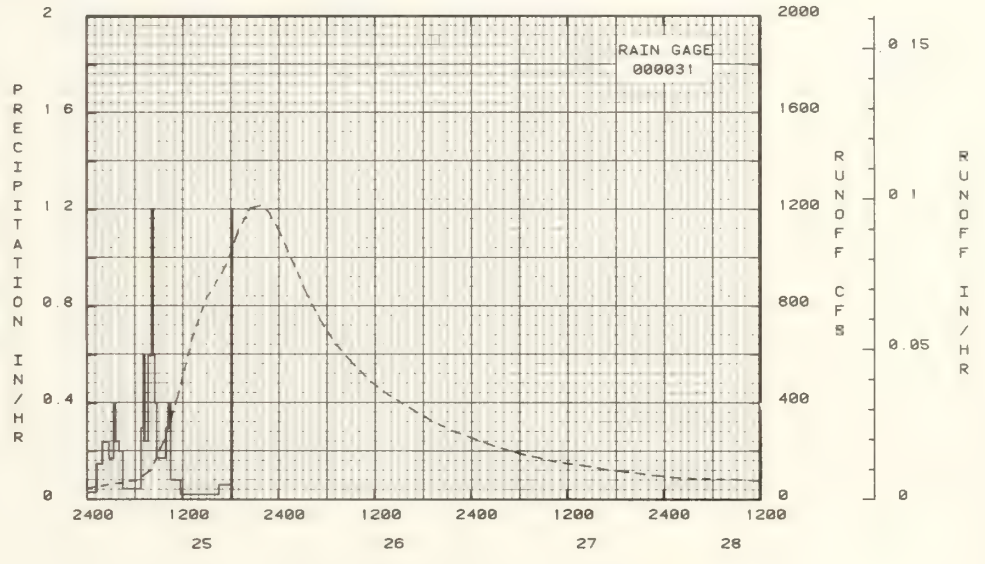
1978	SELECTED RUNOFF EVENT			TIFTON, GEORGIA LITTLE RIVER WATERSHED I						
ANTECEDENT CONDITIONS				RAINFALL				RUNOFF		
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
				EVENT OF JANUARY 24 - 28, 1978						
RG 0C0031				RG 000031						
1-24	0.36	0.090	1-24	2400	0.0	0.0	1-24	2400	49.393	0.C
			1-25	115	0.0320	0.04	1-25	615	83.543	0.0006
				155	0.1500	0.14		800	124.152	0.0014
				220	0.2400	0.24		945	251.882	0.0047
				245	0.2400	0.34		1135	450.874	0.0077
WATERSHED CONDITIONS:										
Residential, 0.1%; water,				320	0.1714	0.44		1310	662.399	0.0164
1.0%; crops, 27.1%; wet-				335	0.4000	0.54		1500	835.125	0.0220
land, 0.3%; pasture, 16%;				400	0.2400	0.64		1705	949.194	0.0596
roads, 0.9%; forest, 54.6%.				430	0.2000	0.74		1755	1010.001	0.0664
				645	0.0444	0.84		1900	1116.821	0.0812
				705	0.3000	0.94		2030	1208.284	0.1213
				715	0.6000	1.04		2145	1217.553	0.1621
				740	0.2400	1.14		2245	1189.818	0.1701
				810	0.6000	1.44		2400	1116.821	0.1851
				815	1.2000	1.54	1-26	115	1023.177	0.1920
				820	1.2000	1.64		325	860.102	0.1978
				830	0.6000	1.74		515	741.354	0.2027
				845	0.4000	1.84		715	639.193	0.2114
				920	0.1714	1.94		935	552.261	0.2151
				955	0.1714	2.04		1140	482.944	0.2282
				1015	0.3000	2.14		1400	426.266	0.2311
				1030	0.4000	2.24		1635	374.513	0.2336
				1145	0.0800	2.34		1910	324.021	0.2358
				1635	0.0207	2.44		2155	281.157	0.2377
				1810	0.0632	2.54		2400	255.121	0.2394
				1815	1.2000	2.64	1-27	255	219.587	0.2409
								555	190.554	0.2421
								850	167.758	0.2433
								1145	147.986	0.2443
								1455	134.497	0.2506

Conversion Factor: CFS to IN/HR, multiply by 0.C0C08041.

1978 SELECTED RUNOFF EVENT TIPTON, GEORGIA LITTLE RIVER WATERSHED 1

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 24 - 28, 1978 (CONTINUED)							
							1-27	1705	120.645	0.2514
								1940	113.587	0.2580
								2145	102.548	0.2597
								2400	94.941	0.2616
							1-28	210	87.032	0.2622
								945	81.263	0.2628

Conversion Factor: CFS to IN/HR, multiply by 0.00008041.



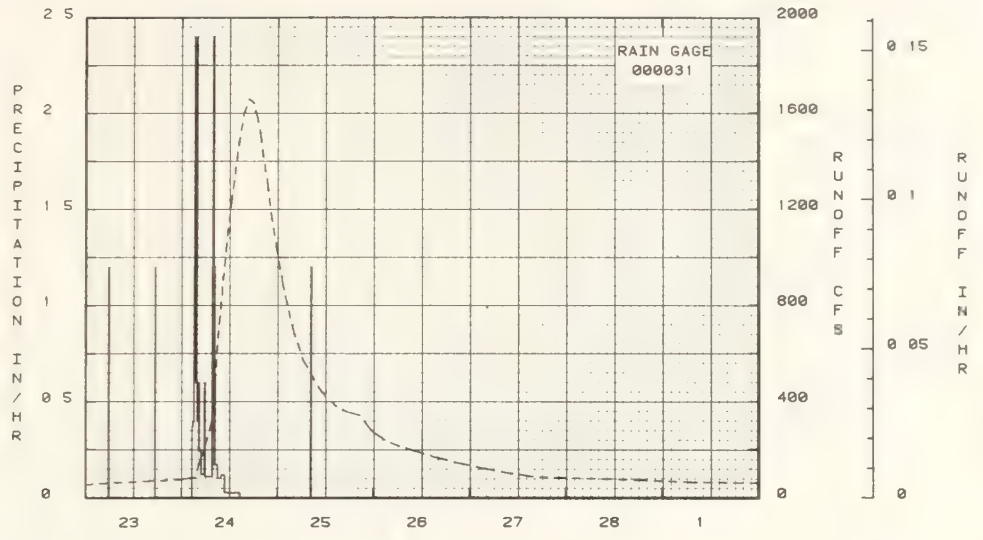
EVENT OF JANUARY 24 - 28, 1978

TIPTON, GEORGIA LITTLE RIVER WATERSHED 1

1979 SELECTED RUNOFF EVENT — TIFTON, GEORGIA LITTLE RIVER WATERSHED 1

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF FEBRUARY 22 - MARCH 1 1979							
RG 000031			RG 000031							
2-23	0.40		2-23	540	0.0	0.0	2-22	2400	56.557	0.0
2-22		0.091		545	1.2000	0.10	2-23	715	64.251	0.0004
				1720	0.0	0.10		1510	70.376	0.0009
				1725	1.2000	0.20		2400	77.907	0.0014
			2-24	239	0.0	0.20	2-24	330	87.032	0.0020
WATERSHED CONDITIONS: Residential, 0.1%; water, 1.0%; crops, 27.1%; wetland, 0.3%; pasture, 16%; roads, 0.9%; forest, 54.6%.				255	0.3750	0.30		425	144.641	0.0038
				310	0.4000	0.40		530	193.785	0.0051
				315	1.2000	0.50		745	324.021	0.0094
				320	2.4000	0.70		815	426.266	0.0173
				330	0.6000	0.80		905	666.292	0.0260
				335	1.2000	0.90		1105	1031.985	0.0396
				340	2.4000	1.10		1235	1259.519	0.0563
				345	2.4000	1.30		1415	1470.902	0.0661
				355	0.6000	1.40		1530	1600.532	0.0874
				410	0.4000	1.50		1645	1661.509	0.0986
				420	0.6000	1.60		1800	1641.106	0.1205
				430	0.6000	1.70		1910	1560.260	0.1415
				455	0.2400	1.80		2000	1475.829	0.1514
				545	0.1200	1.90		2140	1273.612	0.1600
				555	0.6000	2.00		2240	1148.587	0.1678
				745	0.1091	2.20		2400	1010.001	0.1746
				750	1.2000	2.30	2-25	135	864.264	0.1863
				755	2.4000	2.50		355	697.632	0.1910
				805	2.4000	2.90		635	567.158	0.1948
				810	1.2000	3.00		1010	461.509	0.1979
				815	1.2000	3.10		1205	419.292	0.2007
				825	0.6000	3.20		1445	377.924	0.2032
				900	0.1714	3.30		1710	357.549	0.2056
				1000	0.1000	3.40		2035	340.718	0.2079
				1050	0.1200	3.50		2335	277.894	0.2098
				1440	0.0261	3.60		2400	271.370	0.2116
			2-25	825	0.0	3.60	2-26	250	238.941	0.2132
				830	1.2000	3.70		630	213.140	0.2147
								935	197.018	0.2160
								1240	180.834	0.2172
								1525	167.798	0.2184
								1825	154.637	0.2204
								2150	141.275	0.2223
								2400	134.497	0.2286
							2-27	310	120.645	0.2295
								610	113.537	0.2340
								905	102.543	0.2347
								1245	94.941	0.2436
								1550	85.858	0.2442
								2400	81.263	0.2502
							2-28	945	76.806	0.2620
								2020	70.376	0.2686
								2400	67.276	0.2745
							3- 1	850	62.278	0.2749
								2015	61.302	0.3107
								2400	60.337	0.3260

Conversion Factor: CFS to IN/HR, multiply by 0.00008041.



EVENT OF FEBRUARY 22 - MARCH 1, 1979

TIFTON, GEORIGA LITTLE RIVER WATERSHED I

TIFTON, GEORGIA LITTLE RIVER WATERSHED J

LOCATION: Turner County, Georgia; approximately 3 miles west of Ashburn on State Highway 32; Little River Watershed, Withlacoochee River Sub-basin, Suwannee River Basin. Lat. 31 deg. 41 min. 32 sec., long. 83 deg. 42 min. 09 sec.

AREA: 5466.00 acres 8.54 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED J

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	8.73	2.66	3.89	3.78	6.00	3.00	4.03	5.17	0.81	0.0	5.49	2.69	46.25
1978	Q	5.625	2.562	3.626	1.237	2.326	0.159	0.033	0.058	0.0	0.0	0.0	0.034	15.659
	P	5.45	9.69	1.62	5.74	4.69	1.36	7.57	5.91	7.50	0.35	4.55	2.17	56.60
1979	Q	1.583	6.637	2.159	2.134	0.672	0.244	0.159	0.511	1.851	0.531	0.978	0.848	18.306
STA AV	P	4.56	4.73	5.60	3.54	4.87	3.96	5.99	5.48	2.81	1.45	3.06	4.01	50.06
	Q	2.101	2.952	3.231	2.129	1.436	0.737	0.504	0.850	0.518	0.109	0.335	0.793	15.696

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	1-25	0.116	1-25	0.116	1-25	0.230	1-25	0.644	1-25	1.117	1-25	1.760	1-25	2.370	1-19	3.850
1979	2-24	0.152	2-24	0.151	2-24	0.300	2-24	0.835	2-24	1.418	2-24	2.092	2-24	2.744	2-23	3.815
MAXIMUMS FOR PERIOD OF RECORD																
	2-24 1979	0.152	2-24 1979	0.151	2-24 1979	0.300	2-24 1979	0.835	2-24 1979	1.418	2-24 1979	2.092	2-24 1979	2.744	5-28 1970	4.838

Watershed Conditions: Residential, 0.3%; water, 0.8%; crops, 26.3%; wetland, 0.1%; pasture, 15.5%; roads, 0.9%; forest, 56.1%.
Maps: Topographic/Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1975, USDA Misc. Pub. 1446, pages 74.007-31 and 74.002-22.
Precipitation: Records began January 1968. Values are weighted using the Reciprocal Distance Squared Method from 15 recording gages. STA AV values are based on 12 yr beginning 1968.
Runoff: Records began January 1, 1968.
Long-Term Precipitation: National Weather Service records at Tifton, Georgia.

1978 DAILY PRECIPITATION (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED J

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.41	0.0	0.0	1.11	0.0	0.02	0.0	0.0	0.0	0.0	0.0
2	0.0	0.41	0.0	0.0	0.0	0.31	0.49	0.46	0.0	0.0	0.0	0.01
3	0.0	0.0	0.48	0.0	1.72	0.50	0.60	0.81	0.0	0.0	0.0	0.02
4	0.0	0.0	0.0	0.0	0.02	0.03	0.01	0.12	0.05	0.0	0.0	0.01
5	0.0	0.0	0.01	0.0	0.0	0.0	0.18	0.01	0.24	0.0	0.0	0.06
6	0.04	0.0	0.0	0.0	0.01	0.0	0.06	0.95	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.03	0.01	0.01	0.03	0.0	0.0	0.41	0.0
8	0.97	0.11	1.20	0.0	0.76	0.46	0.0	0.70	0.0	0.0	0.0	0.0
9	0.0	0.14	0.89	0.0	0.64	0.06	0.0	0.03	0.0	0.0	0.0	0.22
10	0.0	0.01	0.0	0.0	0.0	0.15	0.0	0.03	0.06	0.0	0.0	0.0
11	0.0	0.0	0.02	0.07	0.0	0.09	0.04	0.64	0.0	0.0	0.0	0.01
12	0.13	0.0	0.01	0.08	0.0	0.0	0.61	0.88	0.0	0.0	0.0	0.0
13	0.63	0.10	0.0	2.10	0.13	0.0	0.01	0.01	0.0	0.0	0.01	0.0
14	0.0	0.0	1.19	0.0	0.0	0.01	0.0	0.0	0.35	0.0	0.0	0.0
15	0.0	0.0	0.04	0.0	0.0	0.0	0.69	0.0	0.01	0.0	0.0	0.01
16	0.0	0.09	0.0	0.0	0.0	0.0	0.93	0.02	0.0	0.0	0.0	0.0
17	0.24	0.0	0.0	0.01	0.46	0.0	0.01	0.0	0.0	0.0	0.0	0.0
18	0.0	0.49	0.0	0.80	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.01
19	2.51	0.0	0.0	0.18	0.0	0.0	0.0	0.19	0.0	0.0	0.0	0.0
20	0.01	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.05	0.0	0.0	0.0
21	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.0	0.10
22	0.0	0.0	0.01	0.0	0.0	0.03	0.0	0.01	0.0	0.0	0.0	0.0
23	0.0	0.0	0.01	0.0	0.11	0.32	0.0	0.0	0.0	0.0	0.0	0.0
24	0.28	0.0	0.0	0.0	0.04	0.0	0.05	0.0	0.0	0.0	0.0	2.24
25	3.92	0.0	0.0	0.53	0.02	0.75	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.01	0.90	0.01	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.01	0.0	0.06	0.0	0.0	0.0	1.21	0.0
28	0.0	0.90	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.03	0.0
29	0.0		0.0	0.0	0.04	0.16	0.0	0.25	0.02	0.0	3.47	0.0
30	0.0		0.0	0.0	0.0	0.11	0.0	0.01	0.02	0.0	0.36	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0
TOTAL	8.73	2.66	3.89	3.78	6.00	3.00	4.03	5.17	0.81	0.0	5.49	2.69
STA AV	4.48	4.28	5.96	3.34	4.88	4.19	5.85	5.44	2.38	1.55	2.93	4.18

Gaging: Values are weighted using Reciprocal Distance Squared Method from 15 recording gages.
Station Averages: 11 yr beginning 1968.

In Cooperation with University of Georgia College of Agriculture Experiment Stations, Georgia Institute of Technology, and Middle South Georgia Soil Conservation District

1979 DAILY PRECIPITATION (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED J

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.12	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.09	0.0	0.00	0.0
2	1.07	0.01	0.0	0.0	0.0	0.04	0.0	0.0	0.26	0.0	1.15	1.9
3	0.0	1.08	0.0	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.15	0.15	1.80	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0
5	0.01	0.01	0.0	0.0	0.34	0.0	1.72	0.0	0.0	0.03	0.0	0.0
6	0.0	2.60	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.0	1.10
7	1.38	0.04	0.34	0.0	0.31	0.22	0.67	0.0	0.0	0.0	0.0	0.9
8	0.06	0.0	0.15	0.26	0.0	0.25	0.0	0.10	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.14	0.03	0.01	0.42	0.0	0.0	0.0	0.01	0.0
10	0.0	0.0	0.36	0.0	0.45	0.0	0.01	1.75	0.0	0.05	0.36	0.0
11	0.03	0.0	0.39	0.0	0.01	0.0	0.37	0.68	0.0	0.0	1.87	0.0
12	0.37	0.0	0.01	0.0	0.52	0.0	0.29	0.01	0.72	0.0	0.0	0.0
13	0.01	0.0	0.0	1.44	0.42	0.0	0.38	0.0	0.01	0.0	0.0	0.02
14	0.22	0.01	0.07	0.01	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.07
15	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.29
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.0	0.0	0.01
17	0.0	0.0	0.0	0.0	0.0	0.0	0.52	0.0	0.05	0.0	0.0	0.0
18	0.0	0.03	0.0	0.0	0.0	0.0	0.01	0.0	0.02	0.0	0.0	0.0
19	0.0	0.29	0.0	0.0	0.03	0.0	0.25	0.0	0.0	0.0	0.0	0.01
20	0.87	0.0	0.01	0.0	0.09	0.24	0.0	0.01	0.0	0.01	0.0	0.0
21	0.0	0.27	0.0	0.0	0.0	0.01	0.03	0.0	0.13	0.0	0.0	0.0
22	0.0	0.39	0.0	0.0	0.0	0.02	0.28	0.04	0.01	0.0	0.0	0.0
23	0.67	0.27	0.44	0.0	0.72	0.34	0.15	0.01	0.0	0.03	0.0	0.0
24	0.0	4.31	0.0	0.19	0.02	0.06	0.03	0.23	0.85	0.0	0.0	0.39
25	0.0	0.23	0.0	1.35	0.0	0.02	0.18	0.60	3.40	0.0	1.04	0.0
26	0.0	0.0	0.0	0.41	0.0	0.0	0.10	0.0	1.31	0.0	0.0	0.0
27	0.38	0.0	0.0	0.0	0.0	0.0	0.0	1.94	0.03	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.03	0.0
29	0.0		0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0
30	0.15		0.0	0.0	0.52	0.0	1.63	0.45	0.0	0.0	0.0	0.28
31	0.11		0.0		1.20		0.02	0.07		0.0		0.0
TOTAL	5.45	9.69	1.62	5.74	4.69	1.36	7.57	5.91	7.50	0.35	4.55	2.17
STA AV	4.56	4.73	5.60	3.54	4.87	3.96	5.99	5.48	2.81	1.45	3.06	4.01

Gaging: Values are weighted using Reciprocal Distance Squared Method from 15 recording gages.
Station Averages: 12 yr beginning 1968.

1978 MEAN DAILY DISCHARGE (CFS) TIFTON, GEORGIA LITTLE RIVER WATERSHED J

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12.15	27.20	38.27	5.83	7.77	0.54	0.05	0.0	0.0	0.0	0.0	0.0
2	8.85	51.49	25.68	5.17	32.12	0.34	0.03	0.0	0.0	0.0	0.0	0.0
3	7.21	52.46	25.01	4.43	20.00	2.13	0.22	0.0	0.0	0.0	0.0	0.0
4	6.27	31.54	27.05	3.85	114.68	7.14	1.78	0.0	0.0	0.0	0.0	0.0
5	5.80	24.86	16.38	3.34	47.15	3.46	0.68	0.0	0.0	0.0	0.0	0.0
6	6.33	22.45	12.44	2.90	15.55	1.75	0.57	0.0	0.0	0.0	0.0	0.0
7	6.75	20.56	11.18	2.38	11.15	0.96	0.39	0.0	0.0	0.0	0.0	0.0
8	11.95	19.81	37.07	2.01	11.86	0.74	0.11	0.01	0.0	0.0	0.0	0.0
9	29.87	23.52	78.40	1.62	68.43	3.71	0.02	1.07	0.0	0.0	0.0	0.0
10	21.40	24.05	81.56	1.29	60.29	2.13	0.01	0.72	0.0	0.0	0.0	0.0
11	10.00	19.88	43.98	0.98	20.63	1.78	0.02	0.60	0.0	0.0	0.0	0.0
12	8.21	17.12	27.43	1.41	11.07	1.45	0.04	1.28	0.0	0.0	0.0	0.0
13	17.41	17.37	22.89	28.04	10.36	0.64	0.13	5.52	0.0	0.0	0.0	0.0
14	25.18	18.34	54.62	78.92	9.01	0.19	0.12	3.09	0.0	0.0	0.0	0.0
15	15.93	15.27	96.86	20.59	5.89	0.05	0.02	0.75	0.0	0.0	0.0	0.0
16	10.27	14.38	39.43	7.14	4.45	0.02	0.57	0.24	0.0	0.0	0.0	0.0
17	11.30	15.83	24.59	4.52	7.32	0.01	1.60	0.07	0.0	0.0	0.0	0.0
18	13.88	27.91	19.38	6.90	13.14	0.00	0.51	0.02	0.0	0.0	0.0	0.0
19	64.24	31.57	17.28	26.14	7.16	0.00	0.36	0.00	0.0	0.0	0.0	0.0
20	142.88	19.04	16.37	19.89	4.58	0.0 T	0.15	0.0	0.0	0.0	0.0	0.0
21	54.26	14.28	15.34	7.08	3.08	0.0	0.04	0.0	0.0	0.0	0.0	0.0
22	29.40	12.22	14.88	4.49	2.02	0.0	0.01	0.0	0.0	0.0	0.0	0.0
23	23.26	11.34	14.63	3.54	2.00	0.0	0.00	0.0	0.0	0.0	0.0	0.0
24	21.44	10.89	12.75	3.35	3.36	0.0	0.03	0.0	0.0	0.0	0.0	0.63
25	301.45E	10.33	10.78	3.31	1.34	0.90	0.03	0.0	0.0	0.0	0.0	1.32
26	223.56E	9.88	10.28	12.32	3.17	6.99	0.00	0.0	0.0	0.0	0.0	1.32
27	71.15	9.32	9.04	12.03	23.74	1.10	0.0	0.0	0.0	0.0	0.0	1.00
28	41.32	15.47	8.15	5.21	7.84	0.22	0.0	0.0	0.0	0.0	0.0	0.82
29	33.49		7.60	3.15	2.39	0.12	0.0	0.0	0.0	0.0	0.0	0.77
30	29.47		7.13	2.21	1.62	0.13	0.0	0.0	0.0	0.0	0.0	0.87
31	27.18		6.39		1.06		0.0	0.0		0.0		0.99
MEAN	41.669	21.011	26.863	9.467	17.230	1.217	0.242	0.431	0.0	0.0	0.0	0.249
INCHES	5.625	2.562	3.626	1.237	2.326	0.159	0.033	0.058	0.0	0.0	0.0	0.034
STA AV	2.149	2.617	3.329	2.129	1.506	0.782	0.536	0.881	0.396	0.071	0.276	0.788

Station Averages: 11 yr beginning 1968.
Conversion Factor: CFS to IN/DAY, multiply by 0.00435449.

1979 MEAN DAILY DISCHARGE (CFS) TIFTON, GEORGIA LITTLE RIVER WATERSHED J

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.08	12.86	30.53	4.59	4.90	24.19	0.0	20.56	4.29	16.05	0.30	3.49
2	4.84	10.37	27.56	4.13	4.00	17.63	0.0	3.27	3.08	12.65	1.43	3.37
3	8.01	10.12	25.21	3.84	3.41	5.22	0.0	1.02	3.10	9.79	8.37	3.06
4	6.67	29.48	25.82	30.93	3.00	2.37	0.0	0.43	2.10	7.94	11.25	2.88
5	4.29	39.01	25.17	76.28	3.04	1.37	0.0	0.18	1.25	11.91	3.62	2.89
6	3.68	60.47	20.69	26.52	6.84	0.75	0.03	0.05	0.74	11.46	1.96	10.78
7	9.51	190.32	18.07	11.42	6.58	0.64	0.08	0.01	0.38	6.50	1.44	26.17
8	22.48	69.85	19.49	8.67	9.40	1.20	0.10	0.0 T	0.19	4.79	1.14	16.93
9	19.25	35.97	20.67	13.37	7.97E	1.30	0.20	0.0	0.09	4.09	0.96	7.13
10	10.27	26.77	16.30	12.91	12.34E	0.71	1.10	0.01	0.04	3.98	1.36	5.18
11	7.94	23.09	28.98	8.37	14.50E	0.30	0.92	7.80	0.01	4.13	20.16	4.67
12	9.60	20.82	35.12	6.40	6.83	0.11	1.48	19.15	0.04	3.37	50.53	4.64
13	12.35	19.43	21.20	8.02	10.96	0.04	1.99	5.39	0.13	2.65	22.07	4.61
14	12.45	18.07	16.61	56.62	21.64	0.01	2.07	1.60	0.83	2.17	8.16	5.12
15	10.97	17.60	15.29	40.12	11.27	0.00	1.40	0.63	0.46	1.69	5.27	6.29
16	8.77	16.64	12.42	13.28	4.29	0.00	0.55	0.25	0.45	1.55	4.38	8.83
17	7.45	15.61	11.49	7.89	2.36	0.0	0.22	0.09	1.59	1.88	3.94	7.78
18	6.99	14.77	11.23	6.15	1.46	0.0	3.82	0.03	2.01	1.84	3.60	5.41
19	6.53	16.80	10.71	5.23	0.95	0.0	6.04	0.00	1.45	1.77	3.35	4.41
20	7.69	18.41	9.98	4.46	0.71	0.0	2.26	0.0	0.91	1.77	2.99	3.95
21	22.76	18.29	9.19	3.63	0.69	0.0	1.23	0.0	0.66	1.67	2.75	4.30
22	20.57	21.62	8.68	2.97	0.71	0.0	0.56	0.0	0.58	1.41	2.70	3.75
23	12.65	33.37	10.99	2.60E	1.11	0.0	0.29	0.0	0.45	1.30	2.71	3.69
24	21.22	424.66E	16.45	2.66E	6.20	0.0	0.45	0.0	0.32	1.40	2.62	4.71
25	21.28	193.18	12.34	13.60E	4.39	0.0	0.37	0.0	32.08	1.18	3.63	9.79
26	14.28	84.23	8.00	47.44E	1.64	0.0	0.27	0.0	159.36	0.83	14.30	8.11
27	15.26	47.09	6.37	36.95E	0.69	0.0	0.24	0.0	111.26	0.62	21.79	4.88
28	17.82	35.46	5.88	16.98	0.32	0.0	0.11	26.10	50.72	0.49	8.59	3.77
29	13.64		5.42	8.29	0.14	0.0	0.03	21.87	27.07	0.40	5.09	3.31
30	10.81		5.03	5.73	0.08	0.0	0.21	4.77	19.52	0.35	3.94	4.39
31	12.38		4.88		1.90		10.56	4.15		0.30		6.42
MEAN	11.725	54.437	15.990	16.333	4.977	1.865	1.180	3.785	14.172	3.933	7.486	6.282
INCHES	1.583	6.637	2.159	2.134	0.672	0.244	0.159	0.511	1.851	0.531	0.978	0.848
STA AV	2.101	2.952	3.231	2.129	1.436	0.737	0.504	0.850	0.518	0.109	0.335	0.793

Station Averages: 12 yr beginning 1968.
Conversion Factor: CFS to IN/DAY, multiply by 0.00435449.

1978 SELECTED RUNOFF EVENT TIFTON, GEORGIA LITTLE RIVER WATERSHED J

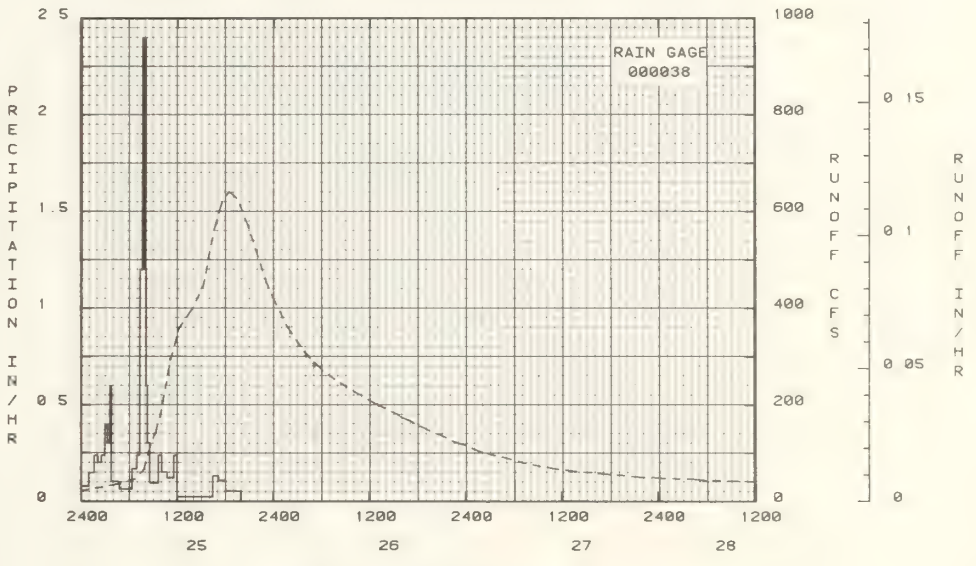
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 24 - 30, 1978							
RG 000038			RG 000038							
1-24	0.32	0.093	1-24	2400	0.0	0.0	1-24	2400	22.507	0.0
			1-25	100	0.0800	0.08	1-25	450	37.197	0.0005
				140	0.1500	0.1E		645	47.054	0.0013
				205	0.2400	0.2E		750	67.080	0.0023
				235	0.2000	0.3E		840	118.070	0.0040
WATERSHED CONDITIONS:										
Residential, 0.3%; water,				300	0.2400	0.4E		920	145.276	0.0062
0.8%; crops, 26.3%; wet-				315	0.4000	0.5E		1000	190.106	0.0091
land, 0.1%; pasture, 15.5%;				335	0.3000	0.6E		1110	254.700	0.0177
roads, 0.9%; forest, 56.1%.				345	0.6000	0.7E		1210	358.751	0.0231
				445	0.1000	0.8E		1355	402.127	0.0292
				620	0.0632	0.9E		1510	443.757	0.0425
				655	0.1714	1.0E		1640	568.663	0.0595
				720	0.2400	1.1E		1735	621.038	0.0689
				735	1.2000	1.4E		1825	641.024	0.0786
				740	2.4000	1.6E		1925	627.679	0.0880
				745	2.4000	1.8E		2055	565.429	0.1052
				750	1.2000	1.9E		2205	505.115	0.1206
				755	2.4000	2.1E		2305	455.852	0.1276
				800	2.4000	2.3E		2400	419.832	0.1665
				805	1.2000	2.4E	1-26	150	358.751	0.2055
				815	0.6000	2.5E		355	308.374	0.2149
				835	0.3000	2.6E		610	270.444	0.2190
				940	0.0923	2.7E		825	244.005	0.2227
				1005	0.2400	2.8E		1015	225.803	0.2261
				1045	0.1500	2.9E		1220	205.296	0.2293
				1135	0.1200	3.0E		1355	192.626	0.2351
				1200	0.2400	3.1E		1545	177.555	0.2405
				1625	0.0226	3.2E		1555	175.057	0.2428
				1710	0.1333	3.3E		1730	162.607	0.2452
				1805	0.1091	3.4E		1935	145.276	0.2474

Conversion Factor: CFS to IN/HR, multiply by 0.00018143.

1978 SELECTED RUNOFF EVENT — TIFTON, GEORGIA LITTLE RIVER WATERSHED J

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF JANUARY 24 - 30, 1978 (CONTINUED)										
			1-25	1955	0.0545	3.58	1-26	2045	137.862	0.2516
								2230	123.029	0.2535
								2400	115.581	0.2605
							1-27	155	101.592	0.2620
								450	90.236	0.2661
								730	78.089	0.2673
								1040	68.585	0.2684
								1350	61.276	0.2693
								1900	55.817	0.2769
								2125	50.690	0.2777
								2400	48.247	0.2799
							1-28	415	45.883	0.2924
								555	43.597	0.2980
								955	42.484	0.3078
								1145	40.313	0.3084
								1620	39.256	0.3245
								1930	37.197	0.3250
								2400	36.196	0.3327
							1-29	610	35.211	0.3593
								1010	33.297	0.3598
								1430	32.365	0.3603
								2400	31.452	0.3850
							1-30	35	30.557	0.3855
								625	29.677	0.3860
								1320	28.815	0.3864
								2135	27.970	0.3868
								2400	27.970	0.3974

Conversion Factor: CFS to IN/HR, multiply by 0.00018143.



EVENT OF JANUARY 24 - 30, 1978

TIFTON, GEORGIA LITTLE RIVER WATERSHED J

1978 SELECTED RUNOFF EVENT — TIFTON, GEORGIA LITTLE RIVER WATERSHED J

EVENT OF APRIL 12 - 16, 1978

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
	RG 000038			RG 000038						
4-13	0.10		4-13	440	0.0	0.0	4-12	2400	2.053	0.0
4-12		0.006		445	2.4000	0.20	4-13	415	2.204	0.0016
				450	2.4000	0.40		650	5.448	0.0017
				510	0.3000	0.50		840	11.341	0.0018
				535	0.2400	0.60		940	15.433	0.0023
				555	0.3000	0.70		1025	19.072	0.0026
				600	1.2000	0.80		1130	27.140	0.0030
				625	0.2400	0.90		1205	29.677	0.0034
				645	0.3000	1.00		1305	31.452	0.0048
				655	0.5999	1.10		1330	33.297	0.0053
				710	0.4000	1.20		1425	34.245	0.0079
				725	0.4000	1.30		1505	36.196	0.0085
				745	0.3000	1.40		1610	37.197	0.0118
				950	0.0480	1.50		1640	39.256	0.0124
				1030	0.1500	1.60		1730	40.313	0.0149
				1035	1.2001	1.70		1815	43.597	0.0155
				1050	0.4000	1.80		1910	45.883	0.0176
				1125	0.1714	1.90		1950	49.457	0.0183
				1345	0.0429	2.00		2045	53.211	0.0200
								2055	54.505	0.0207
								2145	62.695	0.0216
								2225	70.114	0.0227
								2310	81.442	0.0251
								2340	86.646	0.0264
								2400	92.066	0.0278
							4-14	30	97.706	0.0292
								55	101.592	0.0308
								125	103.571	0.0339
								130	105.581	0.0355
								205	108.090	0.0371
								245	110.591	0.0387
								445	108.090	0.0420
								535	105.581	0.0436
								610	103.571	0.0452
								650	101.592	0.0468
								720	99.638	0.0483
								820	97.706	0.0542
								825	95.802	0.0557
								855	93.923	0.0571
								945	92.066	0.0627
								1010	88.430	0.0640
								1030	86.646	0.0653
								1115	84.889	0.0692
								1140	81.442	0.0704
								1220	79.755	0.0740
								1250	76.449	0.0752
								1330	74.832	0.0786
								1355	71.663	0.0797
								1435	70.114	0.0839
								1455	67.080	0.0850
								1540	65.595	0.0879
								1605	62.695	0.0889
								1650	61.276	0.0926
								1720	58.505	0.0935
								1800	57.149	0.0961
								1845	54.505	0.0986
								1935	51.940	0.1009
								2025	49.457	0.1032
								2055	47.054	0.1039
								2145	45.883	0.1067
								2215	43.597	0.1073
								2300	42.484	0.1099
								2335	40.313	0.1105
								2400	39.256	0.1111
							4-15	50	38.218	0.1134
								125	36.196	0.1140
								220	35.211	0.1172
								315	32.365	0.1177
								410	31.452	0.1200
								440	29.677	0.1205

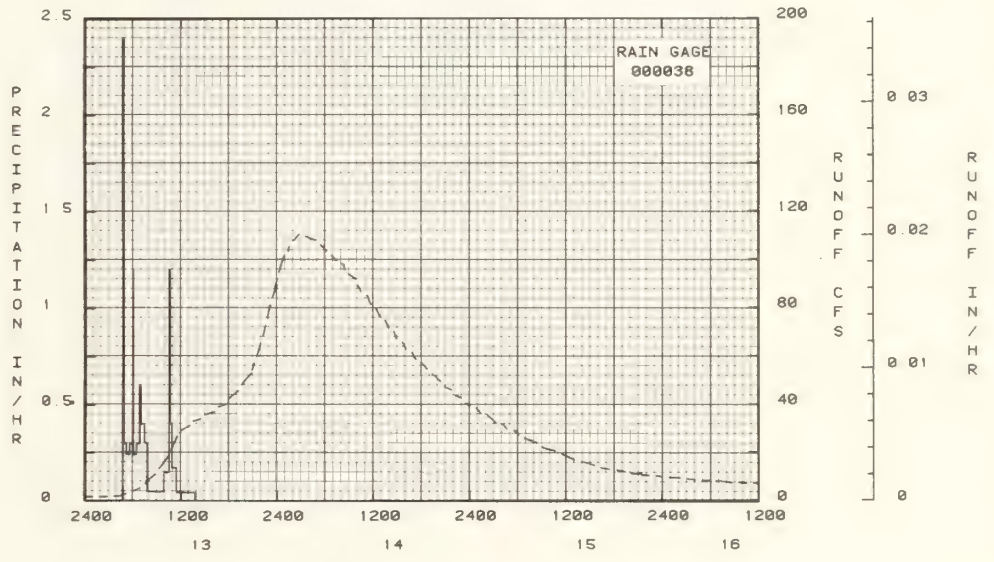
WATERSHED CONDITIONS:
Residential, 0.3%; water, 0.8%; crops, 26.3%; wetland, 0.1%; pasture, 15.5%; roads, 0.9%; forest, 56.1%.

Conversion Factor: CFS to IN/HR, multiply by 0.00018143.

1978 SELECTED RUNOFF EVENT TIPTON, GEORGIA LITTLE RIVER WATERSHED J

ANTECEDENT CONDITIONS			RAINFALL				RUNOFF			
Date Mo-Day	Rainfall (inches)	Runoff (inches)	Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF APRIL 12 - 16, 1978 (CONTINUED)							
							4-15	535	28.815	0.1227
								605	27.140	0.1231
								700	25.533	0.1235
								820	23.988	0.1253
								915	21.790	0.1256
								1040	20.401	0.1272
								1200	18.431	0.1283
								1305	16.550	0.1285
								1440	15.433	0.1299
								1635	13.283	0.1302
								1840	12.286	0.1317
								1920	11.808	0.1329
								2030	10.387	0.1331
								2125	11.341	0.1332
								2130	10.445	0.1334
								2330	10.015	0.1349
								2400	9.597	0.1352
							4-16	215	9.190	0.1370
								405	8.413	0.1371
								655	8.040	0.1391
								840	7.330	0.1392
								1150	6.990	0.1411
								1340	6.343	0.1412

Conversion Factor: CFS to IN/HR, multiply by 0.00018143.



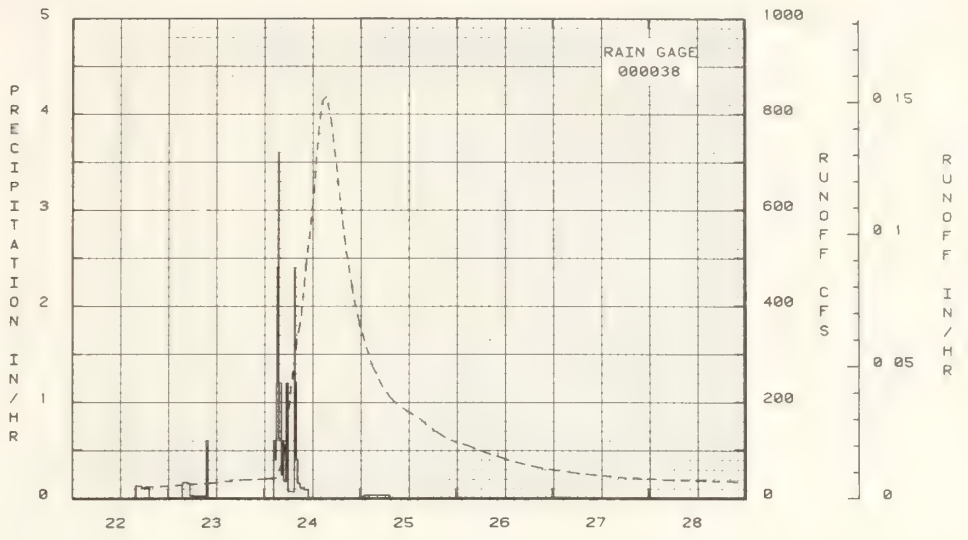
EVENT OF APRIL 12 - 16, 1978

TIPTON, GEORGIA LITTLE RIVER WATERSHED J

1979 SELECTED RUNOFF EVENT TIFTON, GEORGIA LITTLE RIVER WATERSHED 3

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF FEBRUARY 22 - MARCH 3 1979							
RG 000038			RG 000038							
2-22	0.0	0.069	2-22	1545	0.0	0.0	2-22	1825	23.988	0.0
				1635	0.1304	0.10		2400	26.328	0.0028
				1720	0.1333	0.20	2-23	530	29.677	0.0032
				1815	0.1091	0.30		1230	33.297	0.0037
				1915	0.1000	0.40		1910	39.256	0.0049
WATERSHED CONDITIONS:			2-23	339	0.0	0.40		2400	40.313	0.0055
Residential, 0.3%; water, 0.8%; crops, 26.3%; wetland, 0.1%; pasture, 15.5%; roads, 0.9%; forest, 56.1%.				415	0.1667	0.50	2-24	310	43.597	0.0062
				450	0.1714	0.60		515	92.066	0.0076
				530	0.1500	0.70		535	113.091	0.0108
				940	0.0240	0.80		650	233.572	0.0143
				950	0.6000	0.90		815	330.529	0.0192
			2-24	224	0.0	0.90		905	367.325	0.0302
				235	0.5455	1.00		1040	495.770	0.0377
				245	0.6000	1.10		1215	621.038	0.0562
				300	0.4000	1.20		1340	775.469	0.0679
				310	0.6000	1.30		1435	829.218	0.0929
				320	1.2000	1.50		1530	836.469	0.1434
				325	2.4000	1.70		1640	786.135	0.1793
				330	1.2000	1.80		1745	709.008	0.1901
				335	2.4000	2.00		2015	527.111	0.2144
				340	3.6000	2.30		2210	425.781	0.2209
				345	1.2000	2.40		2400	355.904	0.2263
				350	1.2000	2.50	2-25	305	273.120	0.2346
				400	0.6000	2.60		540	230.979	0.2381
				410	0.6000	2.70		720	210.396	0.2413
				420	0.6000	2.80		910	195.154	0.2443
				425	1.2000	2.90		1150	180.060	0.2471
				450	0.2400	3.00		1515	162.607	0.2520
				500	0.6000	3.10		1825	140.334	0.2541
				535	0.1714	3.20		2120	125.507	0.2560
				545	1.2000	3.40		2350	115.581	0.2578
				555	0.6000	3.50		2400	115.581	0.2596
				605	1.2000	3.70	2-26	300	108.060	0.2694
				735	0.0667	3.80		655	95.802	0.2708
				740	1.2000	3.90		1120	83.152	0.2721
				745	2.4000	4.10		1520	73.235	0.2732
				750	1.2000	4.20		1950	64.134	0.2742
				810	1.2000	4.60		2400	58.505	0.2751
				825	0.4000	4.70	2-27	505	51.940	0.2759
				905	0.1500	4.80		1110	47.054	0.2858
				1000	0.1091	4.90		1635	42.484	0.2865
				1110	0.0857	5.00		2400	39.256	0.2948
			2-25	54	0.0	5.00	2-28	625	36.196	0.2953
				410	0.0306	5.10		1415	35.211	0.3182
				725	0.0308	5.20		2210	33.297	0.3379
								2400	32.365	0.3442
							3- 1	720	30.557	0.3447
								1515	29.677	0.3474
								2400	28.815	0.3570
							3- 2	1125	27.970	0.3883
								1930	26.328	0.3887
								2400	26.328	0.4070
							3- 3	1020	25.533	0.4351
								1250	24.752	0.4355

Conversion Factor: CFS to IN/HR, multiply by 0.00018143.



EVENT OF FEBRUARY 22 - MARCH 3, 1979

TIFTON, GEORGIA LITTLE RIVER WATERSHED J

TIFTON, GEORGIA LITTLE RIVER WATERSHED K

LOCATION: Turner County, Georgia; approximately 2 miles west of Ashburn on State Highway 32; Newell Branch, Little River Watershed, Withlacoochee River Sub-basin, Suwannee River Basin. Lat. 31 deg. 41 min. 46 sec., Long. 83 deg. 41 min. 52 sec.

AREA: 4119.00 acres 6.43 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED K

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	P	8.29	2.71	3.73	3.66	6.29	3.32	3.03	5.05	0.54	0.02	5.56	2.50	44.70
1978	Q	4.775	2.659	3.354	1.475	2.272	0.288	0.057	0.009	0.0	0.0	0.0	0.0	14.890
	P	5.37	9.95	1.58	5.55	4.48	1.70	5.67	5.71	6.92	0.37	4.25	2.17	53.70
1979	Q	1.643	6.237	2.314	2.208	0.948	0.422	0.071	0.066	0.997	0.457	1.000	0.970	17.334
STA AV	P	4.44	4.76	5.53	3.51	4.75	4.04	5.84	5.89	2.69	1.42	3.03	3.98	49.88
	Q	2.001	2.844	3.039	2.119	1.327	0.731	0.591	1.104	0.463	0.136	0.323	0.839	15.515

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval													
			1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	1-25	0.086	1-25	0.086	1-25	0.171	1-25	0.488	1-25	0.876	1-25	1.367	1-25	1.770	1-19	2.986
1979	2-24	0.131	2-24	0.131	2-24	0.260	2-24	0.736	2-24	1.240	2-24	1.766	2-24	2.276	2-22	3.226
MAXIMUMS FOR PERIOD OF RECORD																
	2-24	0.131	2-24	0.131	2-24	0.260	2-24	0.736	2-24	1.240	2-24	1.766	2-24	2.276	4-10	3.539
	1979		1979		1979		1979		1979		1979		1979		1975	

Watershed Conditions: Water, 1.0%; crops, 29.8%; wetland, 0.1%; pasture, 12.6%; roads, 0.7%; forest, 55.8%.
Maps: Topographic/Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1975, USDA Misc. Pub. 1446, pages 74.008-30 and 74.002-22.
Precipitation: Records began January 1968. Values are weighted using the Reciprocal Distance Squared Method from 12 recording gages. STA AV values are based on 12 yr beginning 1968.
Runoff: Records began January 1, 1968.
Long-Term Precipitation: National Weather Service records at Tifton, Georgia.

1978 DAILY PRECIPITATION (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED K

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.42	0.0	0.0	1.00	0.0	0.01	0.0	0.0	0.0	0.0	0.0
2	0.0	0.38	0.0	0.0	0.02	0.24	0.49	0.42	0.0	0.0	0.0	0.0
3	0.0	0.0	0.47	0.0	1.63	0.48	0.37	0.65	0.0	0.0	0.0	0.03
4	0.0	0.0	0.0	0.0	0.04	0.03	0.02	0.34	0.02	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.03	0.04	0.01	0.26	0.0	0.0	0.03
6	0.03	0.0	0.0	0.0	0.0	0.0	0.02	0.59	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.07	0.0	0.0	0.41	0.02
8	0.93	0.15	1.16	0.0	0.76	0.48	0.0	0.40	0.0	0.0	0.0	0.0
9	0.0	0.12	0.85	0.0	0.57	0.04	0.0	0.09	0.0	0.02	0.0	0.15
10	0.0	0.01	0.0	0.0	0.0	0.05	0.01	0.11	0.0	0.0	0.0	0.02
11	0.0	0.0	0.0	0.06	0.0	0.09	0.02	0.59	0.0	0.0	0.0	0.0
12	0.14	0.0	0.0	0.11	0.0	0.0	0.07	1.13	0.0	0.0	0.0	0.0
13	0.62	0.13	0.0	2.07	0.14	0.0	0.02	0.02	0.0	0.0	0.01	0.0
14	0.0	0.0	1.16	0.0	0.0	0.0	0.0	0.0	0.17	0.0	0.01	0.0
15	0.0	0.0	0.03	0.0	0.0	0.0	0.58	0.0	0.03	0.0	0.0	0.0
16	0.0	0.09	0.0	0.0	0.0	0.0	0.82	0.11	0.0	0.0	0.0	0.0
17	0.25	0.0	0.0	0.0	0.47	0.0	0.01	0.0	0.0	0.0	0.0	0.0
18	0.0	0.57	0.0	0.76	0.0	0.0	0.34	0.0	0.0	0.0	0.0	0.01
19	2.30	0.0	0.0	0.19	0.0	0.0	0.02	0.38	0.0	0.0	0.0	0.02
20	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.02	0.01	0.0	0.0	0.0
21	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.0	0.08
22	0.0	0.0	0.0	0.0	0.0	0.15	0.02	0.0	0.0	0.0	0.0	0.02
23	0.0	0.0	0.01	0.0	0.16	0.33	0.0	0.0	0.0	0.0	0.0	0.0
24	0.27	0.0	0.0	0.0	0.05	0.01	0.0	0.0	0.0	0.0	0.0	2.12
25	3.75	0.0	0.0	0.46	0.01	0.83	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.01	1.35	0.0	0.03	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.01	0.0	0.04	0.0	0.0	0.0	1.15	0.0
28	0.0	0.84	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01	0.0
29	0.0		0.0	0.0	0.05	0.34	0.0	0.10	0.04	0.0	3.59	0.0
30	0.0		0.0	0.0	0.01	0.22	0.0	0.01	0.0	0.0	0.38	0.0
31	0.0		0.02		0.0		0.0	0.0		0.0		0.0
TOTAL	8.29	2.71	3.73	3.66	6.29	3.32	3.03	5.05	0.54	0.02	5.56	2.50
STA AV	4.35	4.28	5.89	3.32	4.77	4.25	5.86	5.90	2.30	1.52	2.92	4.15

Gaging: Values are weighted using Reciprocal Distance Squared Method from 12 recording gages.
Station Averages: 11 yr beginning 1968.

In Cooperation with University of Georgia College of Agriculture Experiment Stations, Georgia Institute of Technology, and Middle South Georgia Soil Conservation District

1979 DAILY PRECIPITATION (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED K

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.09	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.07	0.0	0.17	0.0
2	1.06	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.25	0.0	0.98	0.0
3	0.0	1.41	0.0	0.16	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
4	0.0	0.12	0.15	1.76	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0
5	0.0	0.04	0.0	0.0	0.28	0.0	1.29	0.0	0.0	0.04	0.0	0.0
6	0.0	2.57	0.0	0.0	0.0	0.02	0.02	0.0	0.0	0.0	0.0	1.14
7	1.35	0.07	0.05	0.0	0.43	0.63	0.62	0.0	0.0	0.0	0.0	0.0
8	0.08	0.0	0.16	0.23	0.04	0.29	0.0	0.05	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.15	0.01	0.02	0.18	0.0	0.0	0.0	0.03	0.0
10	0.0	0.0	0.29	0.0	0.54	0.0	0.03	1.59	0.0	0.01	0.36	0.0
11	0.01	0.0	0.40	0.0	0.03	0.0	0.35	0.75	0.0	0.0	1.74	0.0
12	0.35	0.0	0.03	0.0	0.30	0.0	0.23	0.01	0.95	0.0	0.0	0.0
13	0.03	0.0	0.0	1.29	0.43	0.0	0.42	0.0	0.0	0.0	0.0	0.0
14	0.20	0.01	0.04	0.02	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.05
15	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.34
16	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.01
17	0.0	0.0	0.0	0.0	0.0	0.0	0.65	0.0	0.06	0.02	0.0	0.0
18	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
19	0.0	0.27	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0	0.0	0.0
20	0.95	0.0	0.01	0.0	0.04	0.22	0.0	0.92	0.0	0.01	0.0	0.0
21	0.0	0.24	0.0	0.0	0.0	0.04	0.01	0.0	0.14	0.0	0.0	0.0
22	0.0	0.38	0.0	0.0	0.0	0.02	0.14	0.0	0.02	0.0	0.0	0.0
23	0.64	0.32	0.45	0.0	0.75	0.21	0.19	0.0	0.0	0.03	0.0	0.0
24	0.0	4.17	0.0	0.14	0.01	0.04	0.01	0.54	0.92	0.0	0.0	0.39
25	0.0	0.26	0.0	1.39	0.0	0.03	0.14	0.31	2.65	0.0	0.95	0.0
26	0.0	0.0	0.0	0.40	0.0	0.0	0.08	0.02	1.22	0.0	0.0	0.02
27	0.36	0.0	0.0	0.0	0.0	0.0	0.0	1.60	0.03	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.01	0.0	0.02	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
30	0.14		0.0	0.0	0.39	0.0	0.82	0.51	0.03	0.0	0.0	0.22
31	0.11		0.0		1.20		0.01	0.13		0.0		0.0
TOTAL	5.37	9.95	1.58	5.55	4.46	1.70	5.67	5.71	6.92	0.37	4.25	2.17
STA AV	4.44	4.76	5.53	3.51	4.75	4.04	5.84	5.89	2.69	1.42	3.03	3.98

Gaging: Values are weighted using Reciprocal Distance Squared Method from 12 recording gages.
Station Averages: 12 yr beginning 1968.

1978 MEAN DAILY DISCHARGE (CFS) TIFTON, GEORGIA LITTLE RIVER WATERSHED K

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10.62E	19.44	28.54	4.78	7.37	1.67	0.87	0.0	0.0	0.0	0.0	0.0
2	7.54E	34.74	18.68	4.26	20.29	1.38	1.69	0.0	0.0	0.0	0.0	0.0
3	6.61E	33.53	20.98	3.98	16.30	3.13	2.16	0.0	0.0	0.0	0.0	0.0
4	5.72E	22.21	21.36	3.63	62.28	4.96	2.64	0.0	0.0	0.0	0.0	0.0
5	4.94E	18.41	13.86	3.35	29.66	3.87	0.81	0.0	0.0	0.0	0.0	0.0
6	5.11	17.06	10.65	4.27	11.54	2.51	0.49	0.0	0.0	0.0	0.0	0.0
7	6.09	15.99	9.60	8.53	7.27	1.67	0.30	0.0	0.0	0.0	0.0	0.0
8	10.79	15.64	28.75	7.23	7.92	1.66	0.09	0.0	0.0	0.0	0.0	0.0
9	19.10	18.75	46.44	3.75	40.60	3.81	0.02	0.0	0.0	0.0	0.0	0.0
10	14.63	18.49	48.13	2.02	33.88	2.63	0.00	0.0	0.0	0.0	0.0	0.0
11	9.41	15.88	28.87	3.02	13.71	1.89	0.0	0.06	0.0	0.0	0.0	0.0
12	7.94	14.05	19.71	3.16	7.06	1.66	0.0	0.15	0.0	0.0	0.0	0.0
13	14.53	13.80	15.93	26.33	8.45	1.81	0.0	0.98	0.0	0.0	0.0	0.0
14	19.67	13.48	37.94	45.89	8.49	0.27	0.0	0.32	0.0	0.0	0.0	0.0
15	14.37	12.37	51.22	17.48	4.76	1.53	0.0	0.05	0.0	0.0	0.0	0.0
16	9.98	11.91	25.76	6.99	3.70	0.90	0.44	0.01	0.0	0.0	0.0	0.0
17	10.12	13.32	18.66	4.38	6.98	0.17	0.27	0.00	0.0	0.0	0.0	0.0
18	11.51	23.20	14.90	7.15	16.39	0.02	0.05	0.0	0.0	0.0	0.0	0.0
19	37.75	23.40	12.76	20.23	7.45	0.00	0.07	0.0	0.0	0.0	0.0	0.0
20	78.40	15.86	10.88	17.79	4.22	0.0	0.01	0.0	0.0	0.0	0.0	0.0
21	35.79	14.20	11.33	7.95	2.99	0.0	0.00	0.0	0.0	0.0	0.0	0.0
22	20.20	12.10	11.38	4.91	1.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	16.14	9.78	14.01	3.93	2.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	15.57	10.14	9.60	3.64	5.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	184.48E	9.93	7.96	3.75	2.11	5.21	0.0	0.0	0.0	0.0	0.0	0.0
26	114.25	9.61	8.46	9.68	8.77	7.01	0.0	0.0	0.0	0.0	0.0	0.0
27	40.06	8.70	7.85	9.14	23.42	0.74	0.0	0.0	0.0	0.0	0.0	0.0
28	30.35	13.75	7.17	5.05	15.26	0.20	0.0	0.0	0.0	0.0	0.0	0.0
29	23.63		6.38	4.44	5.23	0.39	0.0	0.0	0.0	0.0	0.0	0.0
30	20.87		5.99	3.77	3.60	0.77	0.0	0.0	0.0	0.0	0.0	0.0
31	19.48		6.22		2.46		0.0	0.0		0.0		0.0
MEAN	26.633	16.419	18.706	8.500	12.672	1.658	0.320	0.051	0.0	0.0	0.0	0.0
INCHES	4.775	2.659	3.354	1.475	2.272	0.288	0.057	0.009	0.0	0.0	0.0	0.0
STA AV	2.033	2.535	3.105	2.110	1.361	0.759	0.635	1.198	0.915	0.106	0.281	0.927

Station Averages: 11 yr beginning 1968.
Conversion Factor: CFS to IN/DAY, multiply by 0.005784119.

1979 MEAN DAILY DISCHARGE (CFS) TIFTON, GEORGIA LITTLE RIVER WATERSHED R

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	12.05	19.11	4.77	4.62	13.40	0.0	0.12	1.63	7.07	0.16	3.28
2	1.41	10.17	19.12	4.28	3.78	12.69	0.0	0.02	1.50	6.10	1.88	2.99
3	2.23	9.96	19.15	4.41	3.45	5.06	0.0	0.00	1.34	4.89	6.21	2.58
4	1.23	37.39	19.55	30.59	3.32	3.35	0.0	0.0	0.95	4.05	6.47	2.64
5	1.02	32.44	21.10	45.05	8.36	2.30	0.04	0.0	0.58	6.31	3.82	2.64
6	1.06	54.05	16.04	22.35	5.60	1.41	0.37	0.0	0.25	6.72	2.20	9.50
7	5.19	127.19	13.78	10.07	6.20	2.19	0.43	0.0	0.08	4.24	1.57	17.52
8	8.83	43.07	14.23	7.83	11.33	10.13	0.16	0.0	0.02	3.20	1.23	13.24
9	8.45	25.90	15.38	10.98	8.96	8.00	0.09	0.0	0.0	2.69	1.05	6.48
10	7.96	20.23	11.97	10.51	14.85	3.59	0.17	0.00	0.0	2.86	1.27	4.63
11	5.58	17.84	20.19	8.09	16.33	2.13	0.07	0.94	0.0	4.84	15.74	3.79
12	7.34	16.84	24.59	6.42	10.01	1.10	0.40	3.44	0.00	2.36	27.61	3.49
13	11.45	17.09	15.56	7.94E	7.23	0.46	0.55	0.78	0.01	4.64	19.43	3.24
14	10.15	14.97	12.46	39.05E	14.60	0.17	0.24	0.24	0.0 T	2.45	8.23	3.67
15	9.38	13.27	11.43	28.27E	9.09	0.17	0.08	0.05	0.01	1.59	4.81	4.63
16	8.46	13.88	10.18	11.23E	4.70	4.92	0.01	0.01	0.11	1.46	3.45	7.05
17	7.51	13.12	10.30	6.98E	3.01	1.55	0.00	0.00	0.48	1.56	3.23	7.05
18	7.05	15.06	10.99	5.54E	1.94	0.19	0.12	0.0	0.66	2.18	2.86	5.20
19	9.32	15.14	9.33	4.65E	1.41	0.02	1.28	0.0	0.68	1.70	2.44	4.38
20	8.04	16.07	8.71	3.99E	1.25	0.02	3.39	0.0	0.42	1.49	2.36	3.88
21	16.90	15.70	8.49	3.37	1.06	0.04	2.27	0.0	0.32	1.30	2.19	3.54
22	17.07	18.07	8.03	2.94	0.77	0.05	0.82	0.0	0.36	0.97	2.50	3.42
23	12.33	26.75	10.84	2.66	2.42	0.02	0.36	0.0	0.20	0.79	2.60	3.66
24	19.65	281.51E	15.42	2.65	6.69	0.07	0.13	0.0	0.13	0.79	2.30	4.78
25	19.10	107.78	11.83	11.72	4.73	0.02	0.03	0.0	10.57	0.70	3.86	8.17
26	13.86	47.66	7.99	33.60	2.82	0.00	0.01	0.0	48.73	0.58	12.43	7.06
27	13.56	31.53	6.53	25.25	1.55	0.0 T	0.0	0.0	44.84	0.40	11.97	5.39
28	14.81	23.70	6.03	13.54	0.86	0.0	0.0	0.0	26.57	0.29	10.58	4.49
29	12.67		5.45	7.56	0.47	0.0	0.0	1.78	21.62	0.38	4.85	6.03
30	10.38		9.99	5.58	0.36	0.0	0.10	2.37	10.31	0.31	3.67	4.44
31	12.05		6.34		2.20		0.57	1.64		0.17		4.69
MEAN	9.163	38.512	12.905	12.727	5.289	2.434	0.394	0.368	5.745	2.551	5.765	5.408
INCHES	1.643	6.237	2.314	2.208	0.948	0.422	0.071	0.066	0.997	0.457	1.000	0.970
STA AV	2.001	2.844	3.039	2.119	1.327	0.731	0.591	1.104	0.463	0.136	0.323	0.839

Station Averages: 12 yr beginning 1966.
Conversion Factor: CFS to IN/DAY, multiply by 0.005784119.

1978 SELECTED RUNOFF EVENT TIFTON, GEORGIA LITTLE RIVER WATERSHED R

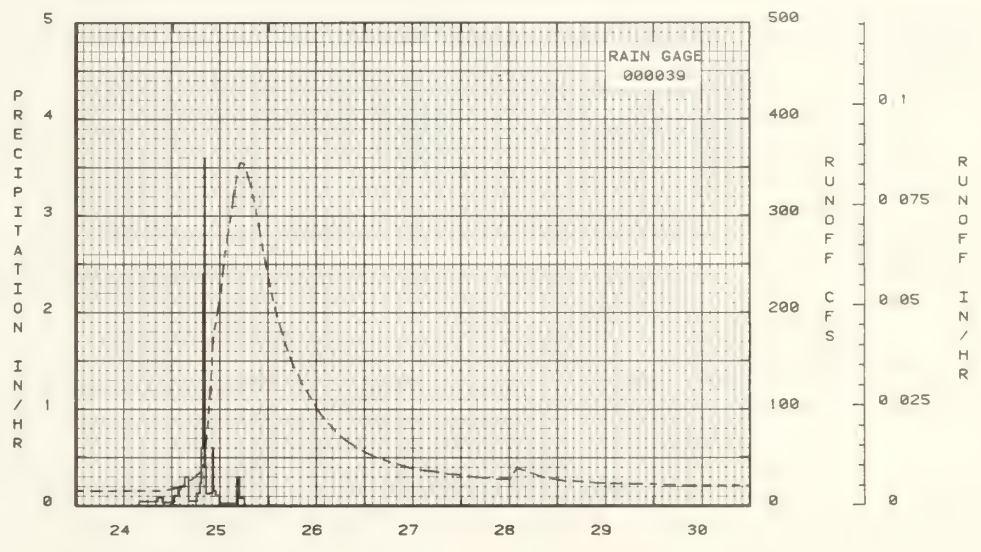
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 23 - 30, 1978							
RG 000039			RG 000039							
1-24	0.0		1-24	1544	0.0	0.0	1-23	2400	15.785	0.0
1-23		0.093		1800	0.0441	0.10	1-24	435	15.306	0.0003
				2015	0.0444	0.20		2050	15.785	0.0032
				2125	0.0857	0.30		2400	17.763	0.0035
				2400	0.0310	0.38	1-25	310	21.615	0.0044
WATERSHED CONDITIONS:										
Water, 1.0%; crops, 29.8%;			1-25	30	0.0400	0.40		655	35.004	0.0051
wetland, 0.1%; pasture,				125	0.1091	0.50		800	44.857	0.0068
12.6%; roads, 0.7%;				200	0.1714	0.60		835	73.462	0.0082
forest, 55.8%.				230	0.2000	0.70		925	116.122	0.0105
				300	0.2000	0.80		1010	174.888	0.0173
				320	0.3000	0.90		1120	203.000	0.0214
				340	0.3000	1.00		1155	214.506	0.0465
				400	0.3000	1.10		1245	249.936	0.0706
				605	0.0480	1.20		1345	278.427	0.0981
				650	0.1333	1.30		1505	314.121	0.1230
				715	0.2400	1.40		1525	327.000	0.1295
				725	0.6000	1.50		1650	355.406	0.1366
				735	0.6000	1.60		1805	353.195	0.1508
				740	2.4000	1.80		1850	340.023	0.1576
				755	2.4000	2.40		1940	329.158	0.1643
				800	3.6000	2.70		2025	314.121	0.1706
				810	0.6000	2.80		2200	278.427	0.1933
				825	0.4000	2.90		2310	251.943	0.1983
				915	0.1200	3.00		2400	234.022	0.2078
				1000	0.1333	3.10	1-26	140	203.000	0.2202
				1010	0.6000	3.20		330	176.732	0.2238
				1050	0.1500	3.30		445	160.269	0.2270
				1150	0.1000	3.40		625	142.344	0.2299
				1620	0.0222	3.50		725	135.280	0.2353
				1640	0.3000	3.60		830	124.784	0.2378

Conversion Factor: CFS to IN/HR, multiply by 0.000241004.

1978 SELECTED RUNOFF EVENT — TIFTON, GEORGIA LITTLE RIVER WATERSHED K

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 23 - 30, 1978 (CONTINUED)							
			1-25	1800	0.0750	3.70	1-26	1035	110.959	0.2423
								1210	98.988	0.2443
								1340	90.484	0.2461
								1510	83.689	0.2478
								1640	76.878	0.2494
								1905	67.779	0.2508
								2150	60.227	0.2520
								2400	55.144	0.2531
							1-27	255	49.382	0.2541
								625	44.857	0.2595
								930	40.581	0.2603
								1200	38.133	0.2611
								1505	35.772	0.2618
								1830	34.246	0.2701
								2105	32.028	0.2707
								2400	31.308	0.2827
							1-28	325	29.204	0.2833
								700	28.521	0.2941
								905	27.193	0.2947
								1215	27.847	0.2953
								1355	38.940	0.2960
								1755	32.759	0.2980
								2035	28.521	0.2986
								2400	26.528	0.3034
							1-29	205	25.246	0.3039
								625	24.617	0.3167
								945	23.390	0.3172
								1420	22.789	0.3177
								1925	22.198	0.3181
								2400	22.198	0.3404
							1-30	45	21.615	0.3409
								525	21.041	0.3413
								1040	20.476	0.3417
								2400	20.476	0.4075

Conversion Factor: CFS to IN/HR, multiply by 0.000241004.



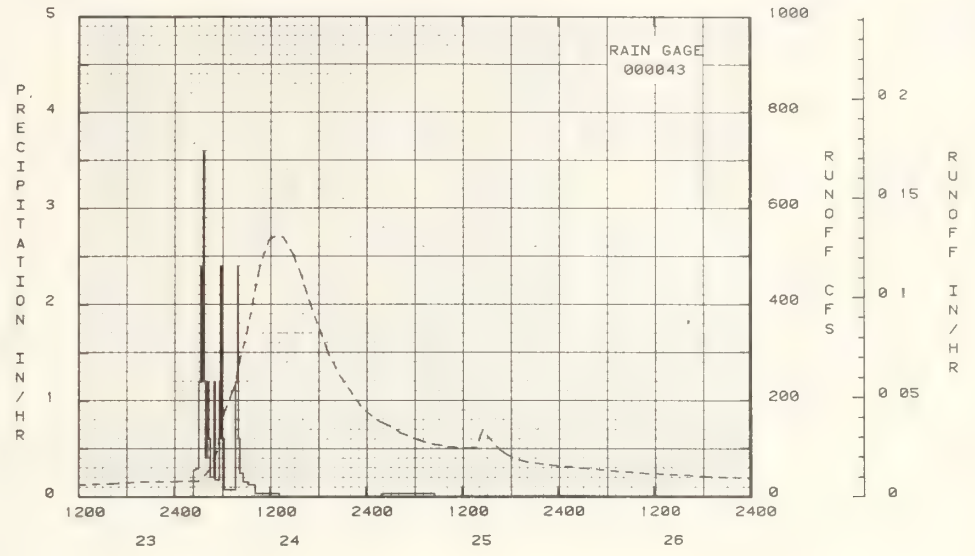
EVENT OF JANUARY 23 - 30, 1978

TIFTON, GEORGIA LITTLE RIVER WATERSHED K

1979 SELECTED RUNOFF EVENT TIFTON, GEORGIA LITTLE RIVER WATERSHED R

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF FEBRUARY 22 - 26, 1979							
RG 000043			RG 000043							
2-22	0.0	0.071	2-22	1554	0.0	0.0	2-22	1705	17.783	0.0
				1645	0.1176	0.10		1945	20.476	0.0004
				1735	0.1200	0.20		2400	21.615	0.0078
				1825	0.1200	0.30	2-23	545	23.390	0.0101
				2020	0.0522	0.40		1025	25.882	0.0106
WATERSHED CONDITIONS:										
Water, 1.0%; crops, 29.8%;			2-23	414	0.0	0.40		1610	28.521	0.0158
wetland, 0.1%; pasture,				455	0.1463	0.50		1955	32.028	0.0164
12.6%; roads, 0.7%;				535	0.1500	0.60		2400	32.759	0.0224
forest, 55.8%.				955	0.0231	0.70	2-24	305	33.497	0.0230
				1000	1.2000	0.80		435	60.227	0.0242
			2-24	224	0.0	0.80		520	95.583	0.0261
				245	0.2857	0.90		615	176.732	0.0329
				305	0.3000	1.00		735	232.049	0.0375
				320	1.2000	1.30		820	295.076	0.0434
				325	2.4000	1.50		905	340.023	0.0501
				330	1.2000	1.60		1045	482.916	0.0968
				335	1.2000	1.70		1150	534.615	0.1182
				340	3.6000	2.00		1235	542.133	0.1291
				345	3.6000	2.30		1335	539.625	0.1616
				350	1.2000	2.40		1455	502.418	0.1921
				355	1.2000	2.50		1545	466.047	0.2014
				440	0.4000	2.60		1715	389.019	0.2093
				420	1.2000	2.80		1925	292.979	0.2152
				430	0.6000	2.90		2045	249.936	0.2203
				500	0.2000	3.00		2320	187.850	0.2683
				505	1.2000	3.10		2400	176.732	0.2828
				540	0.1714	3.20	2-25	135	156.653	0.2860
				545	1.2000	3.30		305	145.900	0.2918
				550	2.4000	3.50		420	131.767	0.2972
				600	0.6000	3.60		635	116.122	0.2996
				605	2.4000	3.80		835	107.528	0.3017
				615	0.6000	3.90		1030	102.369	0.3038
				740	0.0706	4.00		1225	98.988	0.3137
				755	1.2000	4.30		1350	102.369	0.3158
				800	2.4000	4.50		1435	137.040	0.3185
				805	1.2000	4.60		1645	95.583	0.3205
				815	0.6000	4.70		1815	80.287	0.3221
				840	0.2400	4.80		2015	70.033	0.3235
				920	0.1500	4.90		2325	63.401	0.3248
				1010	0.1200	5.00		2400	62.333	0.3260
				1310	0.0333	5.10	2-26	355	57.147	0.3341
			2-25	154	0.0	5.10				
				515	0.0299	5.20				
				835	0.0300	5.30				

Conversion Factor: CPS to IN/HR, multiply by 0.000241004.



EVENT OF FEBRUARY 22 - 26, 1979

TIFTON, GEORGIA LITTLE RIVER WATERSHED K

TIFTON, GEORGIA LITTLE RIVER WATERSHED M

LOCATION: Turner County, Georgia; approximately 4 miles northwest of Ashburn on County Road S1531; Newell Branch, Little River Watershed, Withlacoochee River Sub-basin, Suwannee River Basin. Lat. 31 deg. 41 min. 46 sec., Long. 83 deg. 43 min. 52 sec.

AREA: 646.00 acres 1.01 sq. miles

MONTHLY PRECIPITATION AND RUNOFF (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED M

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	P	9.22	2.65	3.85	3.77	5.51	2.09	3.12	5.37	1.06	0.0	4.83	2.80	44.27
	Q	4.244	2.221	2.669	1.124	1.464	0.152	0.0	0.016	0.0	0.0	0.0	0.0	11.890
1979	P	5.19	10.35	1.49	6.05	4.10	1.12	6.28	6.03	6.93	0.18	4.81	2.38	54.91
	Q	1.095	5.311	2.024	2.218	1.002	0.353	0.265	0.476	1.068	0.511	1.157	1.138	16.617
STA AV	P	4.59	4.82	5.76	3.50	4.52	4.09	6.18	5.24	2.72	1.44	3.00	4.11	49.98
	Q	1.508	2.212	2.509	1.620	0.995	0.715	0.537	0.654	0.309	0.100	0.269	0.632	12.061

ANNUAL MAXIMUM DISCHARGE (in/hr) AND MAXIMUM VOLUMES OF RUNOFF (inches) FOR SELECTED TIME INTERVALS

	Maximum Discharge		Maximum Volume for Selected Time Interval: 1 Hour		2 Hours		6 Hours		12 Hours		1 Day		2 Days		8 Days	
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1978	1-25	0.218	1-25	0.214	1-25	0.404	1-25	0.892	1-25	1.221	1-25	1.568	1-25	1.804	1-19	2.755
1979	2-24	0.269	2-24	0.264	2-24	0.509	2-24	1.240	2-24	1.738	2-24	2.072	2-24	2.368	2-21	3.072
MAXIMUMS FOR PERIOD OF RECORD																
	3- 3	0.341	3- 3	0.325	3- 3	0.594	2-24	1.240	2-24	1.738	2-24	2.072	2-24	2.368	2-28	3.254
	1971		1971		1971		1979		1979		1979		1979		1971	

Watershed Conditions: Crops, 42.2%; pasture, 10.6%; roads, 0.7%; forest, 46.5%.
Maps: Topographic/Composite - Hydrologic Data for Experimental Agricultural Watersheds in the United States, 1975, USDA, Misc. Pub. 1446, pages 74.009-24 and 74.002-22.
Precipitation: Records began January 1968. Values are weighted using Reciprocal Distance Squared Method from 8 recording gages. STA AV values are based on 12 yr beginning 1968.
Runoff: Records began January 1, 1968.
Long-Term Precipitation: National Weather Service records at Tifton, Georgia.

1978 DAILY PRECIPITATION (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED M

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.36	0.0	0.0	0.86	0.0	0.0	0.0	0.0	0.0	0.0	0.02
2	0.0	0.44	0.0	0.0	0.02	0.19	0.15	0.32	0.0	0.0	0.0	0.0
3	0.0	0.0	0.40	0.0	1.58	0.61	0.39	0.47	0.0	0.0	0.0	0.04
4	0.0	0.0	0.0	0.0	0.0	0.04	0.02	0.19	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.04	0.10	0.0	0.0	0.06
6	0.05	0.0	0.0	0.0	0.0	0.0	0.02	1.03	0.0	0.0	0.0	0.0
7	0.0	0.0	0.03	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.29	0.0
8	0.94	0.08	1.22	0.0	0.71	0.29	0.0	0.65	0.0	0.0	0.0	0.0
9	0.0	0.18	0.86	0.0	0.33	0.14	0.0	0.07	0.0	0.0	0.0	0.25
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.09	0.0	0.14	0.01	0.81	0.0	0.0	0.0	0.0
12	0.10	0.0	0.0	0.07	0.0	0.0	0.07	1.35	0.0	0.0	0.0	0.0
13	0.63	0.11	0.0	2.17	0.17	0.0	0.02	0.06	0.0	0.0	0.04	0.0
14	0.0	0.0	1.17	0.0	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0
15	0.0	0.0	0.07	0.0	0.0	0.0	0.65	0.0	0.06	0.0	0.0	0.0
16	0.0	0.08	0.0	0.0	0.0	0.0	1.30	0.18	0.0	0.0	0.0	0.0
17	0.30	0.0	0.0	0.0	0.43	0.0	0.04	0.0	0.0	0.0	0.0	0.01
18	0.0	0.57	0.0	0.79	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0
19	2.47	0.0	0.0	0.20	0.0	0.0	0.02	0.05	0.0	0.0	0.0	0.02
20	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.02	0.01	0.0	0.0	0.0
21	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.04	0.06	0.0	0.0	0.10
22	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.02
23	0.0	0.0	0.04	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0
24	0.30	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	2.28
25	4.43	0.0	0.0	0.39	0.04	0.09	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.06	1.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.04	0.0	0.07	0.0	0.0	0.0	1.17 *	0.0
28	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0
29	0.0		0.0	0.0	0.0	0.18	0.0	0.05	0.0	0.0	2.58	0.0
30	0.0		0.0	0.0	0.0	0.21	0.02	0.04	0.0	0.0	0.31	0.0
31	0.0		0.03		0.0		0.0	0.0		0.0		0.0
TOTAL	9.22	2.65	3.85	3.77	5.51	2.09	3.12	5.37	1.06	0.0	4.83	2.80
STA AV	4.54	4.31	6.15	3.27	4.56	4.36	6.17	5.17	2.34	1.55	2.84	4.26

Gaging: Values are weighted using Reciprocal Distance Squared Method from 8 recording gages.
Station Averages: 11 yr beginning 1968.

In Cooperation with University of Georgia College of Agriculture Experiment Stations, Georgia Institute of Technology, and Middle South Georgia Soil Conservation District

1979 DAILY PRECIPITATION (INCHES) TIFTON, GEORGIA LITTLE RIVER WATERSHED P

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.	1.10	[illegible]
2	1.07	0.0	0.0	0.0	0.01	0.17	0.0	0.0	0.23	0.0	0.1	[illegible]
3	0.0	1.71	0.0	0.12	0.0	0.03	0.0	0.0	0.02	0.0	0.0	[illegible]
4	0.0	0.10	0.06	1.74	0.0	0.0	0.0	0.0	0.	0.11	0.0	[illegible]
5	0.0	0.05	0.0	0.0	0.21	0.0	0.79	0.0	0.0	0.1	0.0	[illegible]
6	0.0	2.40	0.0	0.0	0.0	0.03	0.08	0.0	0.0	0.0	0.0	1.1
7	1.29	0.09	0.03	0.0	0.28	0.11	0.81	0.0	0.0	0.0	0.	[illegible]
8	0.10	0.0	0.08	0.26	0.05	0.20	0.0	0.0	0.1	0.0	0.0	[illegible]
9	0.0	0.0	0.0	0.14	0.05	0.03	0.13	0.0	0.2	0.0	0.04	[illegible]
10	0.0	0.0	0.34	0.0	0.15	0.0	0.07	1.74	0.0	0.0	0.0	0.0
11	0.0	0.0	0.40	0.0	0.05	0.0	0.41	0.38	0.0	0.0	1.53	0.
12	0.36	0.0	0.06	0.0	0.77	0.0	0.32	0.04	0.34	0.0	0.0	0.
13	0.04	0.0	0.0	1.88	0.40	0.0	0.46	0.0	0.0	0.0	0.0	0.
14	0.20	0.0	0.04	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.4
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.86	0.0	0.08	0.0	0.0	0.0
18	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
19	0.0	0.23	0.0	0.0	0.02	0.0	0.50	0.0	0.0	0.0	0.0	0.
20	0.84	0.0	0.0	0.0	0.0	0.21	0.0	0.02	0.0	0.0	0.0	0.0
21	0.0	0.38	0.0	0.0	0.0	0.04	0.0	0.0	0.08	0.0	0.0	0.1
22	0.0	0.34	0.0	0.0	0.0	0.0	0.22	0.03	0.02	0.0	0.0	0.0
23	0.67	0.30	0.48	0.0	0.51	0.18	0.43	0.0	0.0	0.0	0.0	0.0
24	0.0	4.40	0.0	0.10	0.04	0.06	0.0	0.25	1.12	0.0	0.0	0.38
25	0.0	0.34	0.0	1.28	0.0	0.06	0.13	0.47	2.55	0.0	1.21	0.0
26	0.0	0.0	0.0	0.49	0.0	0.0	0.06	0.05	1.26	0.0	0.0	0.02
27	0.30	0.0	0.0	0.02	0.0	0.0	0.0	1.94	0.04	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
30	0.10		0.0	0.0	0.41	0.0	0.92	0.84	0.0	0.0	0.0	0.29
31	0.14		0.0		1.15		0.05	0.07		0.0		0.0
TOTAL	5.19	10.35	1.49	6.05	4.10	1.12	6.28	6.03	6.93	0.18	4.81	2.38
STA AV	4.59	4.82	5.76	3.50	4.52	4.09	6.18	5.24	2.72	1.44	3.00	4.11

Gaging: Values are weighted using Reciprocal Distance Squared Method from 8 recording gages.
Station Averages: 12 yr beginning 1968.

1978 MEAN DAILY DISCHARGE (CFS) TIFTON, GEORGIA LITTLE RIVER WATERSHED P

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.253	2.629	3.510	0.724	1.450	0.168	0.0	0.0	0.0	0.0	0.0	0.0
2	1.082	5.711	1.787	0.651	2.053	0.114	0.0	0.0	0.0	0.0	0.0	0.0
3	0.954	3.207	2.862	0.571	2.475	0.281	0.0	0.0	0.0	0.0	0.0	0.0
4	0.872	2.558	2.131	0.507	7.040	0.828	0.0	0.0	0.0	0.0	0.0	0.0
5	0.834	2.316	1.456	0.449	1.606	0.514	0.0	0.0	0.0	0.0	0.0	0.0
6	0.885	2.160	1.296	0.403	0.992	0.310	0.0	0.0	0.0	0.0	0.0	0.0
7	1.016	2.015	1.223	0.354	0.878	0.209	0.0	0.0	0.0	0.0	0.0	0.0
8	2.234	2.050	5.737	0.310	1.309	0.185	0.0	0.0	0.0	0.0	0.0	0.0
9	3.208	2.638	5.756	0.258	4.131	0.369	0.0	0.0	0.0	0.0	0.0	0.0
10	1.309	2.278	5.120	0.229	2.376	0.266	0.0	0.0	0.0	0.0	0.0	0.0
11	1.039	1.927	2.662	0.196	1.041	0.172	0.0	0.0	0.0	0.0	0.0	0.0
12	1.039	1.776	2.220	0.315	0.722	0.151	0.0	0.233	0.0	0.0	0.0	0.0
13	2.792	2.042	2.011	7.823	0.720	0.110	0.0	0.102	0.0	0.0	0.0	0.0
14	2.368	1.924	8.251	2.973	0.695	0.076	0.0	0.020	0.0	0.0	0.0	0.0
15	1.335	1.561	3.970	1.086	0.494	0.055	0.0	0.014	0.0	0.0	0.0	0.0
16	1.152	1.676	2.557	0.711	0.402	0.044	0.0	0.014	0.0	0.0	0.0	0.0
17	1.523	1.877	1.958	0.573	0.767	0.036	0.0	0.015	0.0	0.0	0.0	0.0
18	1.570	3.768	1.727	1.420	1.311	0.035	0.0	0.010	0.0	0.0	0.0	0.0
19	9.909	2.467	1.628	3.018	0.686	0.032	0.0	0.006	0.0	0.0	0.0	0.0
20	6.417	1.766	1.604	1.183	0.457	0.029	0.0	0.008	0.0	0.0	0.0	0.0
21	2.735	1.565	1.533	0.739	0.311	0.027	0.0	0.001	0.0	0.0	0.0	0.0
22	2.191	1.402	1.705	0.571	0.232	0.026	0.0	0.0	0.0	0.0	0.0	0.0
23	1.997	1.373	1.505	0.459	0.159	0.022	0.0	0.0	0.0	0.0	0.0	0.0
24	1.957	1.352	1.297	0.481	0.133	0.022	0.0	0.0	0.0	0.0	0.0	0.0
25	39.402	1.283	1.220	0.546	0.116	0.020	0.0	0.0	0.0	0.0	0.0	0.0
26	9.405	1.223	1.138	1.649	2.243	0.018	0.0	0.0	0.0	0.0	0.0	0.0
27	3.686	1.153	1.027	0.970	3.119	0.009	0.0	0.0	0.0	0.0	0.0	0.0
28	3.106	2.577	0.954	0.599	0.822	0.001	0.0	0.0	0.0	0.0	0.0	0.0
29	2.799		0.948	0.417	0.410	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	2.622		0.873	0.320	0.315	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	2.505		0.785		0.236		0.0	0.0		0.0		0.0
MEAN	3.7158	2.1525	2.3371	1.0167	1.2818	0.1376	0.0	0.0137	0.0	0.0	0.0	0.0
INCHES	4.244	2.221	2.669	1.124	1.464	0.152	0.0	0.016	0.0	0.0	0.0	0.0
STA AV	1.546	1.930	2.553	1.566	0.594	0.748	0.562	0.671	0.240	0.063	0.188	0.386

Station Averages: 11 yr beginning 1968.
Conversion Factor: CFS to IN/DAY, mulitply by 0.036844663.

1979 MEAN DAILY DISCHARGE (CFS) TIFTON, GEORGIA LITTLE RIVER WATERSHED #

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	1.335	2.571	0.786	0.754	3.197	0.425	0.076	0.727	1.162	0.132	0.626
2	0.0	1.056	2.414	0.736	0.691	1.117	0.183	0.091	0.584	0.929	0.625	0.590
3	0.0	2.277	2.313	0.721	0.653	0.614	0.012	0.152	0.621	0.758	2.858	0.583
4	0.0	7.555	2.481	7.510	0.620	0.436	0.009	0.334	0.537	0.715	1.004	0.591
5	0.0	2.866	2.328	3.914	0.609	0.362	0.011	0.356	0.506	0.925	0.508	0.605
6	0.0	9.043	1.947	1.717	0.776	0.286	0.018	0.358	0.337	0.784	0.367	2.449
7	0.042	10.550	1.781	1.190	1.003	0.229	0.120	0.658	0.162	0.683	0.310	2.739
8	0.994	3.430	2.248	1.106	1.498	0.273	0.034	1.171	0.153	0.630	0.267	1.182
9	1.075	2.630	1.852	1.957	1.122	0.334	0.040	0.717	0.159	0.587	0.244	0.833
10	0.746	2.186	1.734	1.540	1.266	0.279	0.040	0.132	0.244	0.558	0.496	0.743
11	0.635	2.002	4.182	1.064	1.328	0.208	0.045	0.292	0.360	0.564	5.249	0.739
12	0.815	1.895	2.796	0.906	1.264	0.153	0.133	0.491	0.527	0.414	2.967	0.775
13	1.104	1.865	1.987	4.928	3.936	0.107	0.365	0.410	0.452	0.367	1.262	0.814
14	1.201	1.790	1.763	7.983	2.516	0.074	0.634	0.319	0.175	0.322	0.904	0.888
15	1.142	1.776	1.623	2.321	1.235	0.062	0.338	0.240	0.142	0.284	0.737	1.691
16	0.927	1.703	1.446	1.434	0.772	0.053	0.230	0.120	0.139	0.317	0.656	1.700
17	0.834	1.601	1.407	1.083	0.540	0.046	0.196	0.056	0.260	0.370	0.627	1.112
18	0.834	1.540	1.451	0.933	0.492	0.050	0.518	0.045	0.500	0.387	0.603	0.853
19	0.792	2.006	1.404	0.850	0.413	0.042	0.932	0.040	0.477	0.487	0.601	0.783
20	1.052	2.001	1.324	0.771	0.390	0.039	1.029	0.050	0.353	0.332	0.537	0.723
21	2.565	2.373	1.253	0.712	0.382	0.040	0.459	0.161	0.231	0.321	0.517	0.715
22	1.480	2.901	1.229	0.629	0.342	0.040	0.280	0.269	0.153	0.285	0.550	0.672
23	1.120	3.951	1.925	0.606	0.444	0.053	0.199	0.113	0.146	0.277	0.570	0.684
24	2.598	55.147	2.468	0.604	1.031	0.116	0.185	0.058	0.173	0.263	0.585	0.982
25	1.677	8.846	1.528	3.409	0.644	0.144	0.169	0.169	5.194	0.234	0.837	1.635
26	1.217	4.248	1.129	4.769	0.413	0.154	0.149	0.202	5.015	0.194	3.509	1.051
27	1.524	2.908	0.925	2.734	0.320	0.164	0.121	0.744	5.281	0.179	1.511	0.771
28	1.652	2.664	0.894	1.448	0.321	0.227	0.097	2.319	2.327	0.154	0.900	0.635
29	1.230		0.855	1.010	0.282	0.341	0.082	1.134	1.662	0.145	0.756	0.585
30	1.090		0.836	0.831	0.248	0.344	0.070	0.650	1.392	0.133	0.710	1.009
31	1.367		0.841		0.890		0.066	0.993		0.121		1.124
MEAN	0.9585	5.1479	1.7719	2.0065	0.8773	0.3195	0.2319	0.4168	0.9663	0.4477	1.0465	0.9962
INCHES	1.095	5.311	2.024	2.218	1.002	0.353	0.265	0.476	1.068	0.511	1.157	1.138
STA AV	1.598	2.212	2.509	1.620	0.995	0.715	0.537	0.654	0.309	0.100	0.269	0.632

Station Averages: 12 yr beginning 1968.
Conversion Factor: CFS to IN/DAY, mulitply by 0.036844663.

1978 SELECTED RUNOFF EVENT TIFTON, GEORGIA LITTLE RIVER WATERSHED #

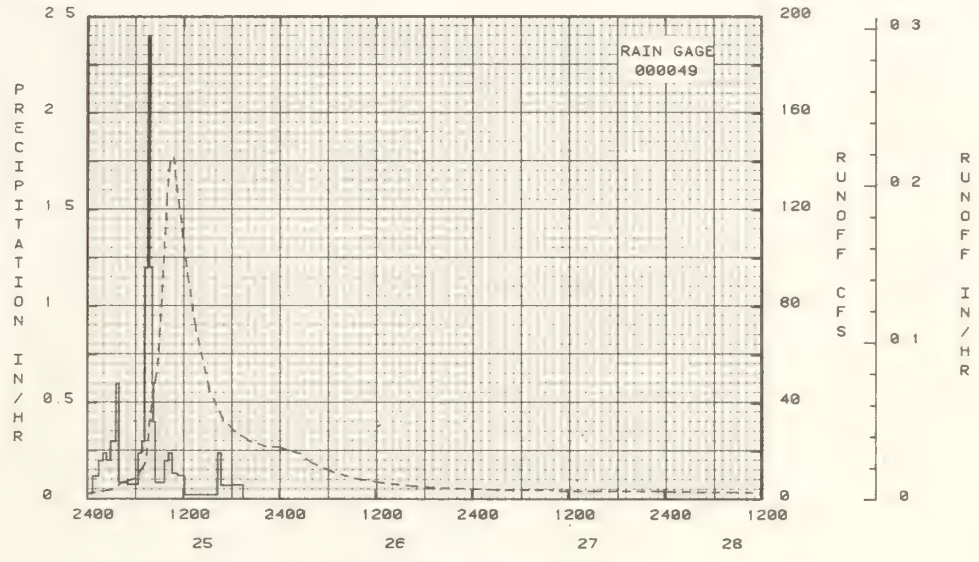
ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
EVENT OF JANUARY 24 - 30, 1978										
RG 000049			RG 000049							
1-24	0.38	0.072	1-24	2400	0.0	0.0	1-24	2400	2.451	0.0
			1-25	40	0.0300	0.02	1-25	310	4.108	0.0005
				130	0.1200	0.12		430	7.284	0.0015
				200	0.2000	0.22		555	8.642	0.0026
				225	0.2400	0.32		720	15.324	0.0148
WATERSHED CONDITIONS: Crops, 42.2%; pasture, 10.6%; roads, 0.7%; forest, 46.5%.				255	0.2000	0.42		800	39.331	0.0196
				315	0.3000	0.52		840	52.549	0.0262
				335	0.3000	0.62		905	70.962	0.0351
				345	0.6000	0.72		955	127.150	0.0510
				355	0.6000	0.82		1015	140.068	0.0688
				505	0.0857	0.92		1040	141.963	0.1233
				625	0.0750	1.02		1120	123.569	0.1394
				650	0.2400	1.12		1230	92.792	0.1514
				710	0.3000	1.22		1335	69.607	0.1604
				725	1.2000	1.52		1520	44.615	0.1782
				730	1.2000	1.62		1700	32.942	0.1955
				735	2.4000	1.82		1830	27.963	0.1991
				745	2.4000	2.22		2030	23.778	0.2022
				750	1.2000	2.32		2220	21.808	0.2050
				805	1.2000	2.62		2400	21.424	0.2078
				815	0.6000	2.72	1-26	240	18.828	0.2126
				830	0.4000	2.82		355	15.324	0.2146
				940	0.0857	2.92		650	10.998	0.2160
				1010	0.2000	3.02		955	8.287	0.2171
				1035	0.2400	3.12		1305	6.664	0.2180
				1120	0.1333	3.22		1625	5.538	0.2187
				1210	0.1200	3.32		1920	4.785	0.2193
				1620	0.0240	3.42		2400	4.326	0.2226
				1645	0.2400	3.52	1-27	325	3.959	0.2232
				1810	0.0706	3.62		955	3.767	0.2434

Conversion Factor: CFS to IN/HR, multiply by 0.001535194.

1976 SELECTED RUNOFF EVENT TIPTON, GEORGIA LITTLE RIVER WATERSHED B

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF JANUARY 24 - 30, 1978 (CONTINUED)							
			1-25	1930	0.0750	3.72	1-27	1000	3.581	0.2439
								1610	3.402	0.2443
								2400	3.402	0.2826
							1-28	30	3.228	0.2830
								910	3.061	0.2834
								2400	2.900	0.2979
							1-29	820	2.745	0.2983
								2400	2.745	0.3643
							1-30	425	2.595	0.3646
								2400	2.595	0.4426

Conversion Factor: CFS to IN/HR, multiply by 0.001535194.



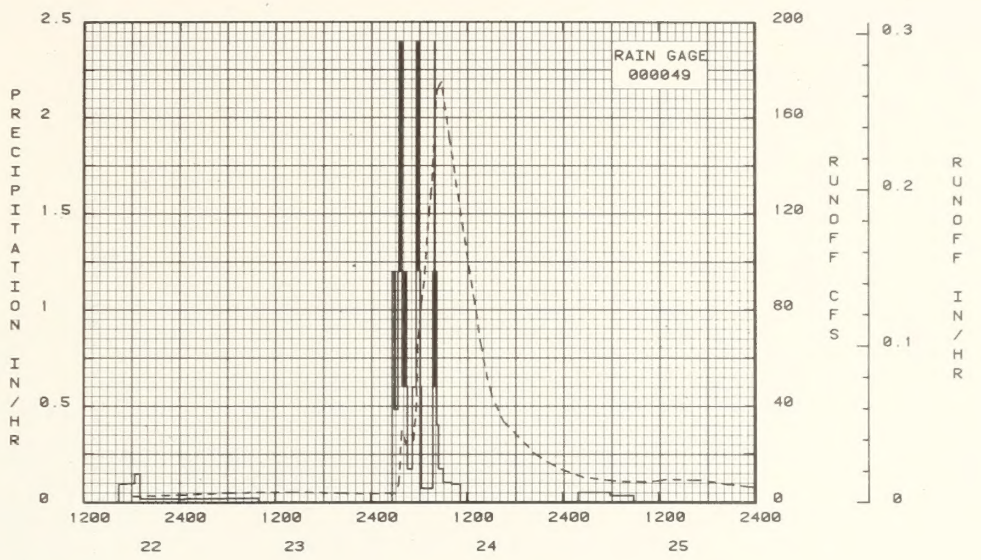
EVENT OF JANUARY 24 - 30, 1978

TIPTON, GEORGIA LITTLE RIVER WATERSHED B

1979 SELECTED RUNOFF EVENT — TIFTON, GEORGIA LITTLE RIVER WATERSHED #

ANTECEDENT CONDITIONS Date Mo-Day	Rainfall (inches)	Runoff (inches)	RAINFALL Date Mo-Day	Time of Day	Intensity (in/hr)	Acc. (inches)	RUNOFF Date Mo-Day	Time of Day	Rate (cfs)	Acc. (inches)
			EVENT OF FEBRUARY 22 - 26, 1979							
RG 000049			RG 000049							
2-22	0.0	0.080	2-22	1624	0.0	0.0	2-22	1815	2.595	0.0
				1725	0.0984	0.10		2400	3.228	0.0066
				1825	0.1000	0.20	2-23	610	4.108	0.0071
				1905	0.1500	0.30		1400	4.326	0.0354
				2400	0.0183	0.39		2015	3.767	0.0358
WATERSHED CONDITIONS:										
Crops, 42.2%; pasture,			2-23	40	0.0150	0.40		2400	3.581	0.0418
10.6%; roads, 0.7%;				545	0.0197	0.50	2-24	300	3.959	0.0433
forest, 46.5%.				1000	0.0235	0.60		330	7.943	0.0442
			2-24	240	0.0	0.60		350	29.728	0.0477
				250	1.2000	0.80		425	23.778	0.0538
				255	1.2000	0.90		520	25.830	0.0571
				320	0.4800	1.10		540	38.312	0.0617
				330	1.2000	1.30		550	65.618	0.0695
				335	2.4000	1.50		620	82.987	0.0800
				340	1.2000	1.60		645	95.130	0.0919
				345	1.2000	1.70		715	120.038	0.1070
				350	2.4000	1.90		735	130.779	0.1396
				355	1.2000	2.00		810	170.808	0.1612
				405	0.6000	2.10		845	174.988	0.2057
				415	0.6000	2.20		955	148.691	0.2247
				425	1.2000	2.40		1125	115.694	0.3016
				435	0.6000	2.50		1300	82.255	0.3122
				510	0.1714	2.60		1345	65.618	0.3295
				540	0.6000	2.90		1425	53.734	0.3365
				545	2.4000	3.10		1510	43.532	0.3925
				550	1.2000	3.20		1635	33.414	0.3968
				600	1.2000	3.40		2030	19.921	0.3994
				605	2.4000	3.60		2300	14.793	0.4013
				610	1.2000	3.70		2400	13.277	0.4030
				620	0.6000	3.80	2-25	235	10.168	0.4043
				745	0.0706	3.90		635	8.642	0.4143
				755	1.2000	4.10		1025	8.287	0.4154
				800	2.4000	4.30		1255	9.383	0.4165
				810	0.6000	4.40		1715	9.007	0.4269
				815	1.2000	4.50		2030	7.284	0.4279
				830	0.4000	4.60		2400	6.083	0.4286
				905	0.1714	4.70	2-26	410	5.028	0.4293
				1005	0.1000	4.80		840	4.326	0.4299
				1110	0.0923	4.90		1550	3.959	0.4425
			2-25	154	0.0	4.90		1805	3.228	0.4430
				355	0.0496	5.00		2400	3.061	0.4469
				555	0.0500	5.10				
				855	0.0333	5.20				

Conversion Factor: CFS to IN/HR, multiply by 0.001535194.



EVENT OF FEBRUARY 22 - 26, 1979

TIFTON, GEORGIA LITTLE RIVER WATERSHED M

*U.S.GOVERNMENT PRINTING OFFICE:1989-625-158:10434

NATIONAL AGRICULTURAL LIBRARY
1022256657